

2018	1
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.....	261
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.....	320
.....	331
.....	344
.....	358
.....	371
.....	382
.....	394
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.....	427
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2010- 2020

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A B

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B 1-3

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1	A	0.5	16		
2	B	1	32		
				16	
3	C	2	64	32	

2

1	A	3	48		
2	B	4	64		
3	C C C	5	80	3+2	
4	D D	6	96		

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1	A A	4+4	128		
2	B B	3+3	96		
3	C	4	68		
4		3+3	96		
5		3	48		
6		2	32		
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9		4	64		

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	A	A1	20
		A2	10
	B	B1	20
		B2	15
	C	C1	5
		C2	10
	D	D1	5
		D2	5
	E	E1	5
		E2	5

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16	2			1	
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8-10	2				6-8 2
					2
103 -105		3	2	2	

	3	2+1	2+1				
	3	2+1	2+1				
	4			3+1	3+1		
	1	1	1				
	3			2+1	2+1		
( )	4	4					
( )	4		4				
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	2	2	2				
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	2				2	2	
	2	2					
	2	1			2	1	
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	1	1	1				
	1					1	1
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Marketing

120202

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2







		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H								H	
		H	M			M					
		H	M			M					
		M	M			M					
		H	M			L		M		M	
		H	H			M					
		L				M				M	
		H		M		H				L	
		H				H					L
		H	H	H		H					
		H	H			M					
		H	M	M		M					
		M	M	H				M			
		H		H		H					
		H		H				H		L	
		H				M				L	
		H		M		H	M				
		H				M	H	M			
		H		H		M	M		H		
		H		H		H					
		M		H		M					
		H			L	M					
		H		M		M					
		H			M	M					L
		M			M	H					
		M		M	L	H					
				M		H		M			
		M		L		M			H		
		M				M	H				

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
				H		H			M		
		M				M					
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		M								M	
		M					H	M	M		
		M				M					
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										H	M
				H		H		M			
		M		H	H	H					
VBSE		H				H					
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		H		H		H				H	
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	( )	H				H	M				
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	16		2						2			1
	16		2					1				
	16		2				1		1			1
	16		2			1						1
	12		2	3		1						2
	12		2		2	1						1
	8		2								10	2
								12			2	
								12	2	2	12	

	416	272	192	817	131	144	48	114	46	34	
	26	15	12	51	8	9	3	7	3	25+6	
	32. 12			35. 76			7. 27		6. 06		18. 79
				2180			165			61	
=37%											

							16	16	16	16	16	16	8					
000033			3	48	32	16		2+1										
000034			3	48	32	16	2+1											
000085			4	64	48	16				3+1								
170001			1	16	16			1										
000012			3	48	32	16			2+1									
000044	( )		4	64	32	32	4											
000045	( )		4	64	32	32		4										
000040			2	32	16	16		2										
000016	( )		1			32	2											
000017	( )		1			32		2										
000018	( )		1			32			2									
000019	( )		1			32				2								
000032			2	32	32						2							
000065			2				2											
000108			2	32	32					2								
000097			2	32	32				2									
000102			1	16	16		1											
000081			1	16	16									1				
000080			1	16	16		1											
170002			2	32	32			2										
			41	688	416	272	11	12	7	8	2	1						
			1															
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					16	16	16	16	12	12	8
034501	1	16	16		1						
086040	3	48	48		3						
084108	2	32	32			2					
034515	4	64	52	12	4						
034013	4	64	64		4						
034106	2	32	32		2						
034014	3	48	48			3					
034104	4	64	52	12	4						
034017	2	32	32			2					
034608	3	48	36	12			3				
034002	3	48	48				3				
034111	3	48	36	12			3				
034001	3	48	42	6			3				
034003	2	32	32					2			
034158	3	48	32	16				3			
034153	3	48	36	12				3			
034116	3	48	32	16					4		
034008	3	48	36	12					4		
034607	2	36	36							3	
034163	3	48	39	9						4	
034637	3	48	36	12							6
	59	948	817	131	10	15	12	8	8		

								16	16	16	16	12	12	8	
1															
034638		3	48	36	12					4					
034639		3	48	36	12						4				
034711		3	48	36	12						4				
034297		3	48	36	12							6			
2															
034005		3	48	36	12					4					
034640		3	48	36	12						4				
034641		3	48	36	12						4				
034642		3	48	12	36							6			
		12													



034500		2	32	32	6			2						
034177		3	48	48						4				
034178		3	48	48	6					4				
043150		3	48	48	12					4				
034021		3	48	48	15					4				
034184		3	48	48	15						4			
034106		3	48	48							4			
034011		3	48	48							4			
034162		3	48	48	15						4			
034712		3	48	48	6						4			
034530		2	32	32	16								4	
034645		2	32										4	
034148		2	32	32	12								4	
034004		2	32	32									4	
034709		2	32	32									4	
034131		2	32	32									4	
034119		2	32	32									4	
034192		1	16		16								2	
		10	160	114	46			2		4	4	4		
10														

			1		1						
034236		1	1			1					
034646		1	1				1				
034602		2	2				1		1		
034802	VBSE	1	1					1			
034165		1	1						1		
034303		3	3					3			
034303		2	2						2		
034813	( )	6	10							8	2
034526		8	12								12
		25	34		1	1	2	4	4	8	14
		165		21	27	21	19	18	20	16	

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Financial Management

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A	A1
	A2
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C	C1
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D	D1
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E	E1
	E2

4

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
	( )							M	L	H	M	
	( )							M	L	H	M	
								L			L	
	( )							M		H		
	( )							M		H		
	( )							M		H		
	( )							M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
										H	L	
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M								M	
		M		M		M					
		M		M		M					
						M				M	
		H							M	M	
		M		M							
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		H			M					M	
		H		H							M
		H				H					

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
					H	M				M	
				H		H				H	
		M		H							
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Access  Excel		M						H			
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				H						H	H
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								H	H	H	
		Access			H		H	M			
			H		H						
			H		H						M
		Excel			H		H				
			H								
			M		H						
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
										H	M
				H						H	
	VBSE						H		H		
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	( )	H				H	M				
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	ACCA			H	H						
	CFA						H		M		H
				H			H				

	16		2							2		1
	16		2	1					1			
	16		2	1	1				1			1
	16		2		1		1					1
	16		2		1							2
	16		2			1						1
	8		2								8	2
								12-14			2	
	104		14	2	3	1	1	12-14	2	2	10	

	416	272	192	893	51	174	50	112	48	33
	26	15	12	56	3	11	3	7	3	23+6
	32.12%		35.76%			8.48%		6.06%		17.58%
				2208			165			53
=53/165 32.12%										

							16	16	16	16	16	16	8	
000033		3	48	32	16		2+1							
000034		3	48	32	16	2+1								
000085		4	64	48	16				3+1					
170001		1	16	16			1							
000012		3	48	32	16			2+1						
000109	( )	4	64	32	32	4								
000110	( )	4	64	32	32		4							
000040		2	32	16	16		2							
000112	( )	1	32		32	2								
000113	( )	1	32		32		2							
000114	( )	1	32		32			2						
000115	( )	1	32		32				2					
000032		2	32	32						2				
000065		2				2								
000108		2	32	32					2					
000097		2	32	32				2						
000102		1	16	16		1								
000081		1	16	16								1		
000080		1	16	16		1								
170002		2	32	32			2							
		41	688	416	272	11	12	7	8	2	1			
		1												
		2												
		2												
		2												
		4												
								4						2
								2						
						12			2-7					

034501		1	16	16		1								
086040		3	48	48		3								
084108		2	32	32			2							
034014		2	32	32		2								
034013		4	64	64		4								
034016		2	32	32		2								
034608		2	32	32			2					1		
034107		2	32	32			2							
034050		3	48	36	12		3							
034518		2	32	32			2							
034020		3	48	48				3						
033625		3	48	48				3				1		
034522		3	48	48				3						
034019		3	48	39	9				3					
034609		2	32	32					2			1		
034036		5	80	80					3	2		1		
034011		3	48	48						3				
034058		3	48	39	9						3			
034076		2	32	32							2			
034057		3	48	36	12							6		
034032		3	48	48								6		
034023		3	48	39	9							6		
		59	944	893	51	12	11	9	8	5	5	18		

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034901	2	32	32			2	
034647	4	64	56	8		2	2
034648							
034649	3	48	39	9			3
033516	3	48	39	9			3
033216	2	32	8	24			2
	14	224	174	50		4	10

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034901	2	32	32			2	
034021	2	32	24	8		2	
034044	3	48	39	9			3
034902	2	32	24	8			2
033511	3	48	39	9			3
034034	2	32	16	16			2
	14	224	174	50		4	10

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	034040		2	32	24	8			2						
	033615		2	32	24	8			2						
	034018		2	32	24	8			2						
	034022		2	32	32				2						
	034121		2	32	24	8				2					
	034005		2	32	24	8				2					
	034905		2	32	32					2					
	034179		2	32	32					2					
	034906		2	32	24	8					2				
	034037		2	32	32						2				
	034907		2	32	24	8					2				
	033122		2	32	24	8					2				
	034908	Access	2	32	16	16					2				
	033213		2	32	32						2				
	034909		2	32	32						2				
	034065	Excel	2	32	16	16					2				
	034059		2	32	32							2			
	033109		2	32	32							2			
	034030		2	32	32							2			
	034530		2	32	32							2			
			10	160	112	48			2	2	4	2			
	10														

			1		1						
034236		1	1				1	4			
034802	VBSE	1	1						1		
034904		1	1		1						
034707		1	1						1		
034816		1	1				1				
034815		1	1			1					
034817		1	1					1			
034048		1	1				1				
034060		1	1						1		
034813	( )	6	10	7							
034526		8	12	12							
		23	32	0	2	1	3	1	3	8	14

	1-3	6-10
" +"	3	
ACCA CFA		

1.	165	41	12	
83		59	14	
10	23	6		
2	4		2	2
12	2-7			
3				
	14			
4.		10		
5.				6
	3			



Logistics management

120601

A.	A1 A2

B.

B1

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
		( )						M	L	H	M	
		( )						M	L	H	M	
								L			L	
		( )						M		H		
		( )						M		H		
		( )						M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
											H	L
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		L	H						L		
		H		M							
		H		M							
		H		L		L	L	M	L	L	L
		L			M		H	M			
		M								M	
		M								L	
						L			M		
		H			L	L		M	M	M	
		H			M				M		L
				M		M		M	L		
				H	M		M				
		H								H	M
		H	H								M
						M	L				
		H		H		M					
		H	H	M		M					
		M			M	H			L		
				H		H	L				
		H	H		M	L					M
			M					H	M	M	
		H		H	M					L	
				H	H						M
		M		H		M					H

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H			L				M		
		H			M	M		M			
		H			H		L				
							L	M	M	H	L
		H			M						
			M	M		H		M			
		H		M	L						
		H		M	L						
		M			L						
		L			L				M		
		H			L				H		
				L	L	M	L				L
		H	L					M	L	M	
		L			M				M		
				M	M				M		
			H				L		M	H	M
		M	L						M		
		L	M						M		
		L							H		
		L	M						H	L	
		L			M	L				M	
				M	M	H	M	H	M	M	M
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		L			L				H		
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			L	L	L		M	H	M	H	M
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		M			M			H		M	
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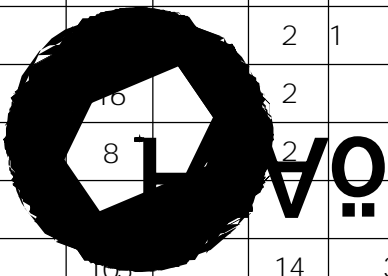
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	VBSE						H			L	
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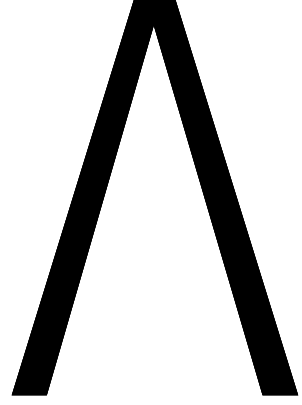
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034104		3	48	39	9		3						
034106		2	32	32		2							
034017		2	32	32			2						
033625		3	48	39	9			3					
034001		2	32	32					2				
034128		2	32	32				2					
034608		2	32	32				2					
034271		3	48	42	6				3				
034605		2	32	32							2		
034268		3	48	48			3						
034620		2	32	32				2					
034621		2	32	32							2		
034273		1	16	16				2					
034174		2	32	32							2		
034622		3	48	24	24							6	
034809		2	32	32						2			
034623		2	32	32					2				
034624		2	32	32					2				
034509		2	32	32						2			
034173		2	32	32					2				
		56	896	848	48	11	12	11	9	6	6	6	

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034703	2	32	32			2
034810	2	32	28	4		2
034808	2	32	32			2
034601	2	32	32			2
034625	2	32	32			4
034626	2	32	8	24		4
	12	192	164	28		

034006		3	48	48				3						
034704		3	48	48				3						
03465		3	48	48				3						
034654		3	48	48				3						
03411		2	32	32					2					
034630		2	32	32					2					
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034665		2	32	32					2					
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03460		2	32	32						2				
034015		2	32	32						2				
03402		2	32	32						2				
034164		2	32	32								2		
034660		2	32	32								2		
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034112		2	32	32								2		
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034661		2	32	32								2		
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034111		2	32	32									4	
0341 7		2	32	32									4	
034607		2	32	32									4	
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		13	208	208				3	2	2	4	4		



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034636	2	2		2		
034802						

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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								H		H	H
									L	H	M
									L	H	H
									L	H	M
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JAVA		M				H			L		
JAVA		M				H			L		
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		M		H						M	
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		M		H					L		
		H		M		L					
		H		M		M					

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		H		H		M					
Pathon		H		H		M					

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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										H	M
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	PS			M		H		H			
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				M		H		H			
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	VBSE			M		H		H			
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	16		2	1								1
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	16		2		3							1
	8		2			4					10	2
								12			2	
	103 -- 105			1	5	4	1	12	2	2	12	

	400	272	192	728	264	120	104	120	40	34	
	25	15	12	46	12	8	6	8	2	25+6	
	31.52		35.15			8.48		6.06		18.79	
	2240			165					66		
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							16	16	16	16	16	16									
000033		3	48	32	16	2+1															
000034		3	48	32	16		2+1														
000085		4	64	48	16			3+1													
170001		1	16	16		1															
000012		3	48	32	16				2+1												
000044	( )	4	64	32	32	4															
000045	( )	4	64	32	32		4														
000040		2	32	16	16	2															
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000018	( )	1	32		32			2													
000019	( )	1	32		32				2												
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000065		2				2															
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000097		2	32	32					2												
000102		1	16	16			1														
000081		1	16	16						1											
000080		1	16	16			1														
000053		2	32	32			2														
		40	672	400	272	12	11	6	9	2											
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034501			1	16	16		1										
034703			2	32	32		2										
0 422			3	48	48		3										
0 422			3	48	48			3									
034525			4	64	64				4								
035001	C		2	32	32			2									
035002	C		1	32		32		1									
00006			3	48	48			3									
000075			1	32		32		1									
034106			2	32	32		2										
034108			2	32	32			2									
034013			2	32	32			2									
034104			2	32	24	8			2								
035003			2	32	32				2								
034818			2	32	32				2								
034819			1	32		32			1								
034820	JAVA		2	32	32				2								
034 21	JAVA		1	32		32			1								
035005			3	48	24	24					3						
035006			2	32	32						2						
035007			3	48	32	16					3						
03500			3	48	24	24							3				
03500			3	48	24	24								3			

							16	16	16	16	16	16	8	
	035010		2	32	16	16					2			
	034 0		2	32	24	8						2		
	035011		2	32	24	8						2		
	035012		2	32	24	8						2		
			58	992	728	264	8	14	14	8	8	6		
1														
	035013	J2EE	3	48	24	24				3				
	035014		3	48	24	24					3			
	035015		3	48	24	24					3			
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	035017		2	32	24	8							2	
2														
	03 01		3	48	24	24				3				
	034811		3	48	24	24					3			
	03501		3	48	24	24					3			
	035020		3	48	24	24						3		
	035021		2	32	24	8							2	
			14											

							15	16	16	16	16	16	8
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034111		2	32	32					2				
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033625		2	32	32					2				
035023		2	32	16	16					2			
035024		2	32	16	16					2			
034174		2	32	16	16					2			
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035034		2	32	24	8							2	
035035		2	32	24	8							2	
		10	160	120	40				2	2	4	2	
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# 美术学

Fine Arts

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A	A1
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M	M							M	
		M	M							H	
		M	M						M	H	
		M	H	H							
		M	H	H						M	
		M	H	H							
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		H	M							M	
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	photoshop	M		M							M
	flash	M		M							M
	3dmax	M		M							M
		M	M	M							M
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		M	M	M							M
		M	M	M							
		M		M							M
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								12			2	
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							16	18	18	18	18	18		
000033		3	48	32	16		2+1							
000034		3	48	32	16	2+1								
000085		4	64	48	16				3+1					
170001		1	16	16			1							
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000044	( )	4	64	32	32	4								
000045	( )	4	64	32	32		4							
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000016	( )	1	32		32	2								
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000019	( )	1	32		32				2					
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000065		2				2								
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000097		2	32	32				2						
000102		1	16	16		1								
000081		1	16	16								1		
000080		1	16	16		1								
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		41	688	416	272	11	9	7	8	2	1			
		1												
		2	4											
		2	2											
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101101			1	18	18		1									
000020			3	54	54			3								
000021			3	54	54				3							
000022			2	36	36					2						
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101102			2	36	36						2					
101103			2	36	36			2								
101104			2	36	36					2						
101105			2	36	36						2					
101106			3	72	36	36	6*12									
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101108			3	72	36	36		6*12								
101109			1.5	36	18	18	3*12									
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101112			1.5	36	18	18		3*12								
101113			3	72	36	36		18*4								
101114			3	72	36	36			6*12							
101115			3	72	36	36			6*12							
101116			1.5	36	18	18				3*12						
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101211		3	72	36	36			6*12					
101212		3	72	36	36				6*12				
101213		3	72	36	36				6*12				
101214		3	72	36	36					6*12			
101215		3	72	36	36					6*12			
101216		3	72	36	36						6*12		
101217		3	72	36	36						6*12		
		21	504	252	252								
2													
101221		3	72	36	36			6*12					
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101223		3	72	36	36				6*12				
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101225		3	72	36	36					6*12			
101226		3	72	36	36						6*12		
101227		3	72	36	36						6*12		
		21	504	252	252								
		21											

101301	photoshop	2	54	18	36			18*3						
101302	flash	2	54	18	36			18*3						
101303	3dmax	2	54	18	36				18*3					
101304		1.5	36	18	18				3*12					
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101307		1.5	36	18	18				3*12					
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101309		1.5	36	18	18					3*12				
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101312		1.5	36	18	18					3*12				
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101314		1.5	36	18	18						3*12			
101315		1.5	36	18	18						3*12			
101316		1.5	36	18	18						3*12			
101317		2	36	36					2					
101318		2	36	36						2				
101319		2	36	36					2					
101320		2	36	36								2		
8														

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101401		4	4				2			2	
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101406	( )	6	10							8	2
101407	( )	8	12								12
		28	37	1	3	0	2	4	3	10	14

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	C2

D	D1
	D2
E	E1
	E2

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
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		( )						M	L	H	M	
		( )						M	L	H	M	
								L			L	
		( )						M		H		
		( )						M		H		
		( )						M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
											H	L
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			L					L		M	M
				M	M				L		
		L		M	M	L					
		L		M	M						
			L						L		
			L	M	M	M			M		
			M	M	M						
			L		L	L					
			L	L	M			M		H	
		H		H						L	
		H		H	M						
			L						M		
		L						M			
		H		H	M						
					L	M					
		H						H			
		H	M					L			H
		H	M					L			
		H					H	L			
		H	L	M				L			
		M	M			M					
		(PS)	M	M							
		(AI)	M	M							
		3ds max	M				M				
									L		
				M	H	M					
		(UI)	H			M					
		H	M				H				
	( )	H	M						M		

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
						L	H				
		M	M				M				
		M			M	M					
		M	H	L			H				
		H	H				H				
	(Flash)	M	L						L		H
		M	L	L						M	H
		H	L					M	M		
		H	L								
		H	L				H				
		M	L	L							
		H	H	H					M		
					M	L	M				
		H			M	M					
		H	H				H				
	M	L							L	L	
										H	M
		H	L					M	M		H
		H	L								M
		H	L				H				
	( )	M	L	L							
	( )	H	H	L	H	H	H			L	
										H	L
		M		H	M						
		H		H	M						
		H		H	M						
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" H "

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	15		2						2		1
	16		2					1			
	16		2					1			1
	16		2	1	1						1
	16		2								2
	16		2		1						1
	4		2	1						16	2
						12				2	
	103 -- 105		14		2	12		2	2	18	

	416	272	192	448	590	144	120	96	96	32	
	26	15	12	28	19	9	5	4	4	28	21+7
	34. 86%			30. 92%		9. 2%		5. 26%		19. 76%	
	2374					152			71		
						=46. 71%		25%			

							15	16	16	16	16	16													
000033		3	48	32	16		2+1																		
000034		3	48	32	16	2+1																			
000085		4	64	48	16				3+1																
170001		1	16	16			1																		
000012		3	48	32	16			2+1																	
000044	( )	4	64	32	32	4																			
000045	( )	4	64	32	32		4																		
000040		2	32	16	16		2																		
000016	( )	1	32		32	2																			
000017	( )	1	32		32		2																		
000018	( )	1	32		32			2																	
000019	( )	1	32		32				2																
000032		2	32	32						2															
000065		2				2																			
000108		2	32	32					2																
000097		2	32	32				2																	
000102		1	16	16		1																			
000081		1	16	16								1													
000080		1	16	16		1																			
170002		2	32	32			2																		
		41	688	416	272	13	12	11	10	0	1	0	0												
		1												2											
		2																							
		2																							
		2																							
		4																							

103101		1	16			*2								
103102		2	48	24	24	4*12								
103103		2	48	24	32		4*12							
103104		2	48	16	32	4*12								
103105		2	48	16	32		4*12							
103106		2	48	16	24		4*12							
103107		2	48	16	32	4								
103108		2	48	16	30			4*12						
103109		2	32	32				2						
103110		2	32	32			2							
103111		2	48	16	32		4*12							
103112		2	48	16	32			4*12						
103113		2	48	16	32		4*12							
103114		2	48	16	32			4*12						
103115		2	48	16	32			4*12						
103116		2	48	16	32				4*12					
103117		3	64	32	32				5*12					
103118		3	64	32	32				5*12					

103119		3	64	32	32						5*12			
103120		3	64	32	32							5*12		
103121		2	48	16	32						4*12			
103122	( )	2	48	16	32								4*12	
		47	1056	448	590	7	10	10	8	5	3	2		
1														
103211	(PS)	3	64	32	32		4							
103212	(AI /cdr)	3	64	32	32			4						
103213	3ds max	4	72	32	40				4					
103214		2	32	32				2						
103215	(UI)	2	32	16	16						3*12			
		14	264	144	120		4	6	4	2				
		14												

													15
103301		2	48	24	24					4*12			
103302		2	48	24	24					4*12			
103303		2	48	24	24					4*12			
103304		2	48	24	24					4*12			
103305		2	48	24	24					4*12			
103306	(Fl ash)	2	48	24	24					4*12			
103307		2	48	24	24					4*12			
103308		2	48	24	24					4*12			
103309		2	48	24	24						4*12		
103310		2	48	24	24					4*12			
103311		2	48	24	24						4*12		
103312		2	48	24	24						4*12		
103313		2	48	24	24						4*12		
103314		2	48	24	24						4*12		
103315		2	48	24	24						4*12		
103316		2	48	24	24						4*12		
103317		2	32	32						2*162			
		8	8										



			1		1						
103401		2	2				1		1		
103402		1	1					1			
103403		2	2					2			
103404		2	2				1		1		
103405	( )	6	16							16	2
103406		8	12								12
		23									

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C	C1
	C2
D	D1
	D2
E	E1
	E2

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
		( )						M	L	H	M	
		( )						M	L	H	M	
								L			L	
		( )						M		H		
		( )						M		H		
		( )						M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
											H	L
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			L					L		M	
				M	M				L		
		L		M	M	L					
		L		M	M						
			L	M					L		
			L	M					M		
			M	M	M						
			L						L	L	
			L	L	M			M		H	
		H		H						L	
		H		H							
			L	M					M		
		L	M	M							
		H		H	M						
				L	M	M					L
		H	M	H							
			L					L		M	M
				M	M				L		
		L		M	M	L					
		L		M	M						
			L	M					L		
			L	M	M	M			M		
			M	M	M						
	PS	H	M	H							H
	AutoCAD	H								L	H
	3ds max								M	L	H
		M	M			M					
		M				L					
		M									
		M			L	M					

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
8		M					H				
		M	M	H							
		M			M	M					
		M	H	L			H				
		H					H				
		M	L				H				
		M	L					M			
		H	L	L	M			M	M		
		H	L								
		H	L								
		M	L								
		H	H						M		
		H	M								
		H			M	M					
								H			
							L	L		L	
										H	M
		M	H							M	M
		M								M	M
		M								H	M
	( )	H								M	
		H	H	H	H			M	M	H	M
										H	M
		H	M	H	M						
		H	M	H	M						
		H	M			H	M				
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15	2		2	1
16	2		1	
16	2		1	1
16	2			1
16	2			2
16	2			1
8	2			10
			12	2
103				



							15	16	16	16	16	16		
000033		3	48	32	16		2+1							
000034		3	48	32	16	2+1								
000085		4	64	48	16				3+1					
170001		1	16	16			1							
000012		3	48	32	16			2+1						
000044	( )	4	64	32	32	4								
000045	( )	4	64	32	32		4							
000040		2	32	16	16		2							
000016	( )	1			32	2								
000017	( )	1			32		2							
000018	( )	1			32			2						
000019	( )	1			32				2					
000032		2	32	32						2				
000065		2				2								
000108		2	32	32					2					
000097		2	32	32				2						
000102		1	16	16		1								
000081		1	16	16								1		
000080		1	16	16		1								
170002		2	32	32			2							
		41	560	416	272	11	11	7	8	2	1			
		1												
		2												
		2												2
		2												
		4												
					12				2-7					

102101		2	48	16	32	4*12								
102102		2	48	16	32		4*12							
102103		2	48	16	32	4*12								
102104		2	48	16	32		4*12							
102105		2	48	16	32			4*12						
102106		2	48	16	32	4								
102107		1	16	16		3								
102108		2	32	32					2					
102109		2	32	32			2							
102110		2	48	16	32		4*12							
102111		2	48	16	32		4*12							
102112		2	48	16	32		4*12							
102113		3	60	24	40			4*12						
102114		3	60	24	40			4*12						
102115		3	60	24	40				4*12					
102116		2	48	16	32				4*12					
102117		2	48	16	32				4*12					
102118		2	48	16	32				4*12					
102119		2	48	16	32				4*12					
102120		3	60	24	40					5*12				
102121		2	48	16	32					4*12				
102122		3	60	24	40						5*12			
102123		2	48	16	32							4*12		
		50	1100	440	680									

							15	16	16	16	16			
101211	PS	3	64	30	34		4							
102212	AutoCAD	3	64	30	34			4						
102213	3ds max	3	72	32	40			4						
102214	Sketchup	3	72	32	40				4					
102215		2	32	32	0			2						
102216		1	24	4	20								3*8	
102217		2	48	16	32						4*12			
102218		2	48	16	32						4*12			
		19	424	192	232									

102301			2	48	24	24					4*12			
102302			2	48	24	24					4*12			
102303			2	48	24	24					4*12			
102304			2	48	24	24					4*12			
102305			2	48	24	24					4*12			
102306	(Fl ash)		2	48	24	24					4*12			
102307			2	48	24	24					4*12			
102308			2	48	24	24					4*12			
102309			2	48	24	24						4*12		
102310			2	48	24	24						4*12		
102311			2	48	24	24						4*12		
102312			2	48	24	24						4*12		
102313			2	48	24	24						4*12		
102314			2	48	24	24						4*12		
102315			2	48	24	24						4*12		
102316			2	48	24	24						4*12		
102317			2	48	24	24					4*12			
			8	8										

			1		1						
102401		2	2				1		1		
102402		1	1					1			
102403		2	2					2			
102404		2	2				1		1		
102405	( )	6	12							10	2
102406		8	12								12
		21	32		1		2	3	2	10	14

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Chsl a	I FLA LA	3
		2

1.	158	41	12	
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	21	7		
2	4		2	2
12	2-7			
3				
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4.		8		
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	3			

Fashion & Accessories Design

130505

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A	A1
	A2
B	B1
	B2

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CAD



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
	( )							M	L	H	M	
	( )							M	L	H	M	
								L			L	
	( )							M		H		
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										H	H	
								H		M	L	
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							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
											H	L
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	H	M							L	
	H	M			M					L
	H		M		M					L
	H	M			M					L
	M		H		M	L				
			H	M	M	M				
	H	M								
		H			H					
			H		M	L				
	H	M	H	M	L	H		M		
	H		L							H
	H		L		H	M				
	H	L	M	M		H	M			H
1-	M		H	M	M	L				
2-	M	L	M	M	M	H				M
	M	M	M	L						

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H			L			H		M	
		H	M			H	M				L
		H	M		L	H	M				
		H	M				L	H			
		M	H	L				H		M	
		H		M		H			M		
		H		M	L	H	M				
		M			H	M	L			H	
		H		M	L	H	M				
		H	M	M	H	L	H	M			
		H	M	M	H	L	H	M			
		M	M	M	H	L			M		
		M				L		M		H	
		M				H		M		M	L
		M				H	M				
		M		M			M	H		H	
		M			L	M		H		M	
		H	M			L				M	
	" "				H	M	M	L			M
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			H			L	M	M			

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	15		2						2			1
	16		2				1		1			
	16		2						1			1
	16		2	1								1
	16		2		2							2
	16		2			1						1
	8		2				1				10	2
								12			2	
	103 --105			1	2	1	2	12	2	2	12	

	416	240	192	456	632	72	218	128		29	
	26	15	12	28	26	4	11	8		26	
	27. 56%			34. 62%			9. 62%		5. 13%		16. 67%
				2354			156			78	
	=50. 00%										



															16	16	16	16
104101		1	16	16		1												
104102		1.5	32	16	16	4*8												
104103		1.55	32	16	16	4*8												
104104		2	48	16	32		3											
104105		1	32		32		4*8											
104106		2	48	16	32		4*1											
104107		2	48	16	32	4*1												
104108		2	32	32			2											
104109		2	48	16	32		4*1											
104110		3	64	32	32			4										
104111		2	32	32					2									
104112		2	48	16	32			4*1										
104113	1-	2	48	16	32			4										
104114	2-	2	48	16	32				4									
104115		2	48	16	32				4									
104116	CAD	2.5	64	16	48					4								
104117		2	48	16	32				4*1									
104118		2	48	16	32			4										
104119		2	48	16	32				4									
104120		2	48	16	32				4									
104121		2	48	16	32					4								
104122		2	48	16	32					4								
104123		2	48	16	32					4								
104124		2	48	16	32										4			
104125		2.5	48	32	16										4			
104126		3	64	32	32										4			
104127		1	16	16											1			
104128		1	16	8	8										1			
		54	1080	456	632													

1															
104211		2.5	64	16	48					4					
104212		2.5	64	16	48						4				
104213		2	32									4			
104214		2	32						2						
104215		1.5	32	16	16						4*8				
104216		1.5	32	16	16							4*8			
104217		3	64	32	32						4				
2															
104221		2.5	64	16	48					4					
104222		2.5	64	16	48					4					
104223		3	64	32	32						4				
104224		2.5	64	16	48							3			
104225		2	32	30								2			
104226		2.5	64	16	48				4						
		15													

					16	16	16	16	16	16	10
104301	2	48	16	32							2
104302	2	48	16	32							2
104303	2	48	16	32							2



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Computer Science and Technology  
080901

IT

IT

IT

	A	A1
		A2
	B	B1
		B2

	C	C1
		C2
	D	D1
		D2
	E	E1
		E2

4

(Java) C (Java)  
 (Java) (Wn32)  
 .Net Web Java EE

( )

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M



: Net

A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
L				M					

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
H	Windows	L									
		L									
	UML	L									
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084042			2	32	32		2												
084228	A		4	64	64		4												
084229	A		4	64	64			4											
084114			2	32	32				2										
084212			3	48	48					4									
000069			3	48	48					4									
000075			1	32	0	32				2									
084043			3	48	48		3												
086013			1	32		32	2												
084050	C		3	48	48		3												
086014	C		2	64		64	4												
084525			3	48	48			3											
086015			2	64		64	4												
084208			3	48	48		3												
084565			3	48	48				3										
086016			1	32		32			2										
084211			2	32	32			2											
086017			1	32		32	2												
086698			3	48	48									3					
084218			2	32	32				2										
086092			1	32		32			2										
084040			2	32	32						2								
086093			1	32		32					2								
084575	Java EE		2	32	32						2								
086094	Java EE		2	64		64					4								
084183			2	32	32									2					
086102			2	64		64								4					
086740			4	64	64												8		
			64	1248	800	448	18	18	11	10	10	9	8	0					



						15	16	16	13	16	16	8	0
084302		1	32		32		2						
084646		2	64		64			4					
084569		1	32		32			2					
086116		1	32		32				3				
086117	Python	2	64		64					4			
084648		2	32	32						2			
086118		1	32		32					2			
008024		2	32	32							2		
086119		2	64		64						4		
084519	Windows	1	32		32		2						
084164		2	64		64			4					
084009	UML	1	32		32			2					
086120		1	32		32				3				
086121		2	64		64					4			
086122		2	32	32						2			
084510		1	32		32					2			
084406		2	32	32							2		
084419		2	64		64						4		
		14	384	64	320	0	2	6	3	8	6	0	0
14													

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084623		2	6				6					2	
084624		2	2						2				
084282		1	1			1							
084709	( )	6	10	7									
084305	( )	8	12	12									
		19	32		1	1	6		2			2	
		165		28	31	29	32	20	21	8		0	

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Communication Engineering

080703

ICT

ICT

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C	C1
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
A	A	H			H	M	H				
	A	H			L	M	H				
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		H			M	H					
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	C		H	M			M				
	C++		H	H			M				
		H			M		H				
			H				H	H			
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	16		2		2						1
	8	1	2							8	2
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	100	1	14	1	2	6	12	2	2	10	8

							1		2			
	448	192	192	768	240	176	116	112	112	96	64	22
	26	12	12	48	12	11	7	7	7	6	5	25
	28.24		33.9			10.1		7.9		5.65		14.1
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							15	16	16	13	16	16	8
086027	EDA	2	32	16	16						2		
084028		2	32	16	16					2			
084218		3	48	24	24					3			
084066		2	32	32						2			
084564		2	32	16	16						2		
086029	Matlab	2	32	16	16					2			
086031		3	48	24	24						3		
086032		2	32	16	16						2		
		10	160	96	64					5	5		
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						15	16	16	13	16	16	8
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	177		25	23	26	23	23	18	16			

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# 网络工程

Network Engineering

080903

A	A1
	A2
B	B1
	B2



C	C1
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D	D1 ( )
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(Java)

Web

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
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		( )						M	L	H	M	
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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Véb				H	H	H			H		
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
				H	H	H	M	M	H			
	Python			H	H	H			H			
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		Li nux			H	H	H			H		
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		Wèb			H	H	H			H		
	( 2 )					H		H		H		
				H	H	H		H		H		
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	8	1	2								8	8
	0						12				2	0
	100	1	14	1	2	6	12	2	2		10	100

	352	226	192	720	272	136	104	168	104	33	
	23	15	12	45	13	8.5	6.5	10.5	6.5	19+6	
	30.30			35.15			9.09		10.30		15.15
				2274				165			66
=40.00%											

						15	16	16	16	16	16			
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16	16	1+1								
000012		3	48	32	16				2+1					
000008	( )	4	64	32	32	4								
000009	( )	4	64	32	32		4							
000016	( )	1	32	0	32	2								
000017	( )	1	32	0	32		2							
000018	( )	1	32	0	32			2						
000019	( )	1	32	0	32				3					
000032		2	32	32	0				3					
000065		2				2								
000108		1	16	16	0					1				
000097		2	32	32	0				3					
000102		1	16	16			1							
000081		1	16	16	0					1				
000080		1	16	16	0		1							
000053		2	0	0	0			2						
		38	608	352	226	11	10	6	12	2				
		1	<div style="display: flex; justify-content: space-between; align-items: center;"> <span>12</span> <span>2</span> <span>4</span> <span>2</span> <span>2-7</span> <span>2</span> </div>											
		2												
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084228	A	4	64	64		4								
084229	A	4	64	64			4							
086040		2	32	32				2						
084108		3	48	48					4					
000069	A	3	48	48					4					
000075	B	1	32		32					3				
084042		2	32	32		2								
084043		3	48	48		3								
086013		1	32		32	2								
084050	C	3	48	48		3								
086014	C	2	64		64	4								
084514		5	80	48	32		5							
084208		3	48	48			3							
084565		4	64	48	16			4						
084218		3	48	32	16			3						
084040		3	48	32	16				4					
084211		3	48	32	16		3							
084000		3	48	32	16					3				
086083		3	48	32	16						3			
086707		3	48	32	16					3				
		58	992	720	272	18	15	9	15	6	3			
086084		3	48	32	16					3				
086085		3	48	24	24						3			
083725		3	48	32	16						3			
086086		3	48	24	24					3				
086702	Web	3	48	24	24				4					
		15	240	136	104				4	6	6			

086087		3	48	24	24					3				
086759	Python	2	32	16	16			2						
086088		3	48	32	16						3			
086730		3	48	32	16							6		
064232		3	48	32	16							6		
035019		3	48	32	16						3			
084703		3	48	32	16						3			
086718		3	48	32	16						3			
086734		3	48	24	24					3				
086089		3	48	32	16							6		
086090	Li nux	3	48	32	16							6		
086091		3	48	24	24					3				
086743	Web	2	32	16	16			2						
		17	272	168	104			2		3	6	12		
17														



			1		1						
084623	( 2 )	2	6			1					
084624		2	2								
084282		1	2				6		2		
086739	( )	6	10							8	2
084305	( )	8	12								12
		19	33		1	1	6		2	8	14

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Internet of Things Engineering  
080905

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A	A1 A2
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
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	( )							M	L	H	M	
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							M		M	L	H	H
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									L	H	M	
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
C		H			M	M					
		H			M	M					
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		H		H		M	M				
			M	M		M					M
		H	M	M		L					
		H	M	H		L					
		H	M	H			L				
		H	M		M		L				
		H	M	H		L					
			M	H		H	L				
			M	H		H	L				
	RFID			M	M	H					
			M	M	H				H		
			M	M	H				H		
			M	M	H				H		
			M	H		H		M			
			M	H		H		M			
			M	H		H		M			
			M	H		H		M			
			M	M		H		H			
								H	H	M	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			M	M	M		M				
			M	M	M		M				
			M	M	M		M				
	Věb		M	M	M		M				
			M	M	M		M				
			M	M	M		M				
										H	M
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				H	H	H	H				
	( )			H	H	H	H				
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	16		2		2						1
	8	1	2							8	2
	0						12			2	
	100	1	14	1	2	10	12		2	10	8

							1		2				
	416	256	192	656	336	144	128	160	272	96	160	34	
	26	14	12	39.5	14	10	5	10	10	6	5	19+6	
	29.46%		30.31%			8.50%		11.33%		6.23%		14.16%	
				2816					176.5			73	
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							15	16	16	16	16	16										
000033		3	48	32	16	2+1																
000034		3	48	32	16		2+1															
000085		4	64	48	16			3+1														
170001		1	16	16		1																
000012		3	48	32	16				2+1													
000008	( )	4	64	32	32	4																
000009	( )	4	64	32	32		4															
000016	( )	1	32		32	2																
000017	( )	1	32		32		2															
000018	( )	1	32		32			2														
000019	( )	1	32		32				2													
000032		2	32	32					2													
000065		2				2																
000099		1	16	16							1											
000097		2	32	32					2													
000102		1	16	16			1															
000081	*	1	16	16							1											
000080	*	1	16	16			1															
084596	*	2	32	32				1	1													
000053		2	32	32			2															
		40	672	416	256	10	11	7	9	2												
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084228	A	4	64	64			4										
084229	A	4	64	64				4									
084114		2	32	32					2								
084212		3	48	48					3								
000069	A	3	48	48						4							
000075		0.5	16		16					1							
084042		2	32	32			2										
084043		3	48	48			3										
086013		1	32		32		2										
084050	C	3	48	48			3										
086014	C	2	64		64		4										
084525		3	48	48				3									
086015		2	64		64			4									
084208		3	48	48				3									
084565		3	48	48					3								
086016		1	32		32				2								
084218		4	64	32	32				4								
084211		2	32	32							2						
086017		1	32		32						2						
086698		4	64	32	32							4					
084545		2	32	32						3							
086018		1	32		32					2							
		53.5	992	656	336		18	14	14	10	4	4					

						15	16	16	13	16	16	8	0
086662		3	48	24	24						3		
086709	RFI D	2	32	32							2		
086109	RFI D	1	32		32						2		
086669		2	32	32						2			
086110		1	32		32					2			
086673		3	48	24	24							6	
086761	*	3	48	32	16					3			
		15	272	144	128					7	7	6	
*													
084590		2	32	32						2			
086108		2	64		64					4			
084591		2	32	32							2		
086107		2	64		64						4		
084592		2	32	32								4	
086106		1	32		32							4	
084593		2	32	32							2		
086105		2	64		64						4		
084594		4	64	32	32				5				
084595		1	16		16						1		
		20	432	160	272					5	6	13	8

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Mathematics and Applied Mathematics (normal)

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C	C1
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E	E1
	E2

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
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										H	L	
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									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
						H	M					
						H	M					
							M					
	( )	H		H							M	
	( )	H		H							M	
	( )	H		H							M	
	( )	H		H		M						
	( )	H		H		M						
		H		H		M						
		H		H		M						
		H		H		M						
				H	H			M				
				H	H	H					M	
				H	H	H					M	
			H						H		M	
				H	H						M	
				H	H						M	
			H	H				M				
			M				H	H	H			
			M				H					
			M					H	H			
				H	H							
		H	H									



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H					M				
		H					M				
		H					M				
		H			M						
			H				M				
			H				M				
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		H		H			M				
		H		H			M				
		H		H		M					
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		H		H			M				
										H	H
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					H					M	
					H					M	
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							H			M	
		( )						H			
		( )				H				M	
								H	H		
						H	H	H			
				H	H						
						H	H				
			H			H					

' H'

' M'

' L'

	15		2							2		1
	16		2						1			
	16		2			1	1		1			1
	16		2		1		1					1
	16		2			1	1					2
	16		2	2			1					1
	8		2		1		2				10	2
								14			2	
	103			2	2	2	4		2	2	12	

	400	272	192	848	128	128	112	144	16	35	
	25	15	12	53	7	8	7	9	1	22+6	
	31.50			36.36		9.09		6.06		16.97	
	2240						165			58	
=35.15%											

							16	16	16	16	16	16																																						
000033		3	48	32	16	2+1																																												
000034		3	48	32	16		2+1																																											
000085		4	64	48	16			3+1																																										
170001		1	16	16		1																																												
000012		3	48	32	16				2+1																																									
000008	( )	4	64	32	32	4																																												
000009	( )	4	64	32	32		4																																											
000040		2	32	16	16	2																																												
000016	( )	1	32		32	2																																												
000017	( )	1	32		32		2																																											
000018	( )	1	32		32			2																																										
000019	( )	1	32		32				2																																									
000032		2	32	32					2																																									
000065		2				2																																												
000108		1	16	16						1																																								
000097		2	32	32					2																																									
000102		1	16	16			1																																											
000081		1	16	16						1																																								
000080		1	16	16			1																																											
000053		2	32	32			2																																											
		40	672	400	272	12	11	6	9	2																																								
		1	2																																															
		2													4																																			
		2																									2																							
		2																																					12											
		4																																																

	000067		4	64	32	32		4							
	000069	A	3	48	48						3				
	000075	B	1	32		32					2				
	084101	( )	4	64	64		4								
	084102	( )	4	64	64			4							
	084103	( )	4	64	64				4						
	084083	( )	4	64	64		4								
	084084	( )	4	64	64			4							
	084036		3	48	48		3								
	084037		3	48	48							3			
	084108		3	48	48				3						
	084109		3	48	48					3					
	086061		1	16		16					1				
	086062		4	64	32	32				4					
	086063		2	32	16	16					2				
	086722		1	16	16		2								
	086064		4	64	64				4						
	086065		3	48	48				3						
	086066		2	32	32					2					
	086067		3	48	48							3			
			60	976	848	128	12	12	14	9	8	6			
	084017		3	48	32	16						3			
	084122		3	48		48					3				
	084019		3	48	32	16						3			
	086068		3	48	16	32					3				
	084113		3	48	48								6		
			15	240	128	112					6	6	6		



			1		1						
084172		2	4			1	1	1	1		
084277		2	2						2		
086076		2	2				1		1		
086077		2	2			1		1			
084709	( )	6	10							8	8
086078	( )	8	14								14
		22	35				2		4	2	

	1	6
	3	
	1	

1. 165 40 12  
85 60 15  
10 22 6  
2 4 2 2  
12 2-7  
3 15  
4 10  
5  
6 3

Mechanical Design, Manufacturing and Automation  
080202

A	A1
	A2
B	B1
	B2
C	C1
	C2

D	D1
	D2
E	E1
	E2

4

)

(



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
									H	H	
										H	L
							H			H	H
								L		H	M
								L		H	H
								L		H	M
								L		H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	M			H	M				
		H	M			H	M				
	1	H	M			H	M				
	2	H	M			H	M				
	C	H	M	M							
	B	H	M	M		H					
	( )	H	M	M				M			
	( )	H	M	M				M			
		H		M	M	M					
		H		M	M	M					
	( )	H	M	M					M		
	( )	H	M	M					M		
		M		M		M					H
		H	M	M			M				
		H	M	M			M				
		H		M							
		H		H	M	M					
		H		H	M	M					
		M	M	M		M					
		H		M			M				M
		M	M								
				M							M
				M							M
				M	M	M			M		
				M	M	M					
		M		M			M		H		
				M	M	M					M
				M	M	M					M
			M	M		M					

Matlab

A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
M	H	M		M					
						M		H	
	M			M	M		M		
		M		M					
		M		M			M		M
	L	L		L			L		
	M	M		M			M		

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
										H	M
		H	H	M	M						
			M	H	M	M					
					M	H				M	M
		H		M			M				M
		H		M				M			M
		M		M		M		M			
		H		M	M			M			
	( )	H	H	H				H			
	( )		H	H	H			H			
			H					H	H	H	
	" "			H		H		H		H	
				H		H		H	H		
	" +"			H		H		H			H

\* H

\* M

\* L

	16		2							2		1
	16		2						1			
	16		2						1			1
	16		2				4					1
	16		2	1			2					2
	16		2	1								1
	8-10		2		1	1					6-8	2
								12			2	
	103 --105		14	2	1	1	6	12	2	2	8-10	8

	400	272	192	813	187	213	27	112	16	33	
	25	15	12	50	10	13	2	7	1	24+6	
	31.5%		36.4%			9.1%		4.8%		18.2%	
				2232				165			58
	=35.15%										





16 16 16 16 16 16 10





			1		1						
063014		1	1		1						
064069		3	3				3				
064066		2	2					2			
064067		1	1					1			
064068	:	1	1						1		
064633	:	1	1							1	
064634	:	1	1							1	
064277	( )	6	10							8	2
060037		8	12								12
		24	33	0	2	0	3	3	1	10	14

		3		1. 2. 3. 14 4. 5.
" "	2-7 3		2	1. " " 2. 3. 4.
	2-7 2			1. 2. 3.
" "+"	3-7 +" 3-5 4-5 3-6			1. 2. 3. 4.

1.	165	40	12
83		60	15
	24	6	
2	4		2
			2
12	2-7		
3.			
	15		
4.		8	
5.			6
		3	

Vehi cl e Engi neeri ng

080207

A	A1
	A2
B	B1
	B2
C	C1
	C2



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
							L	M			H
	B	H	M						M		
		H	M			H			M		
		H	M			H			M		
	C	H	M					H	H		
	B	H	M					M	M		
		H	M					L	M		
	( )	H		H							
	( )	H		H		L					
		H		M	M						
		H		M	M						
		H	L	H	H						
		H		H	H				L		
		H		H	H				H		L
				M	H	L					
		H		H	H			H	M		L
		H				H	H	H			L
		H		M		M	H		H		
		H		H	H	L					
				H	H	M					L
				H	H	M					
				H	H				H		

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
					H	H	M				
					H	H	M				
					H	H	M				
					H	H	L				
				H	H	H	M				
				H	H			H	H		
				H	H			L	H		
				H	H			L	H		
				H	H			L	H		
				H				L	H		
					H			L	H		
					H			L	H		
								M			
	Matlab	H	M	H				M			
	MATLAB	H	M	H							
		H	M	H							
		H	L	H				M			
								H	H		M
	CAD/CAM				H	H			H		
						H	H	H			
										H	H
					H	H	H				
				H	H				M		L
				H	H		L				
				H				H	H	H	
					H				M		L
						H	H		H		L
						H	H		H		L
				H	H	H					
				H	H		H		M		
					H	H			M		
				H		H	H				
				H					M		L
					H		H		M		
					H		H		M		
				H	H						



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
				H	M				M		
				H	H			H	M		L
				H	H			H	H	M	
					H	H		H			
					H	H		H			
				H	H			H	H		
				H				H	H		
										H	M
				H		H	H	H		L	
				H		H		H			
				H	H				H	H	H
		H	H			H	H	H			
				H	H			L			
			H	H	H			L			
	( )		H	H	H	H	H	H	H	H	H
( )		H					H			H	
			H					H	H	H	
	"	H	H	H	H	H	H	H	H	H	H
		H	H	H		H	L	H	H	M	
	+"	H	H	H	H	H	H	H	H	H	H
			H	H	H		M	H	H	M	

' H'

' M'

' L'

	15		2							2		1
	15		2	1					1			
	15		2						1			1
	14		2			3						1
	13		2		1	3						1
	14		2				1					1
	16		2								6-8	2
	16							12			2	
									2	2	8-10	

	400	272	192	936	144	246	18	48	160		32
	25	15	12	58	3	14	1	3	5		23+6
	31. 52%		36. 96%		9. 09%		4. 85%				17. 58%
				2416			165				53
	=32. 12%										

						15	16	15	13	13	14	15	16		
000033		3	48	32	16	2+1									
000034		3	48	32	16		2+1								
000085		4	64	48	16			3+1							
170001		1	16	16		1									
000012		3	48	32	16				2+1						
000008	( )	4	64	32	32	4									
000009	( )	4	64	32	32		4								
000040		2	32	16	16	2									
000016	( )	1	32		32	2									
000017	( )	1	32		32		2								
000018	( )	1	32		32			2							
000019	( )	1	32		32				2						
000032		2	32	32					2						
000065		2				2									
000099		1	16	16						1					
000097		2	32	32					2						
000102		1	16	16			1								
000081		1	16	16						1					
000080		1	16	16			1								
000053		2	32	32			2								
		40	672	400	272	12	11	6	9	2	0	0	0	0	
000007		1	2												
		2													
		2													
		2													
		4													

														16
064231		1	16	16		4								
084228- 29	B	6	96	96		3	3							
084114		2	32	32				3						
084212		3	48	48				4						
000067	C	4	64	32	32		4							
000069- 70	B	3	64	64		5								
000075- 76	B	1	32		32	1	1							
064072	( )	3	64	32	32	4								
064073	( )	3	64	32	32		4							
064036		4	64	64				4						
064037		3	48	48	8				4					
064595		2	32	32				3						
065042		3	56	48	8			4						
064499		2	32	32					3					
064046		2	40	32	8				4					
064590		3	48	48	8				4					
063207		4	72	64	8					6				
064052		2	32	32						3				
064853		2	32	32					2					
064100		4	72	64	8					6				
064105		2	32	32							3			
064854		2	32	32							3			
		61	1080	936	144									

							16	16	15	13	13	14	15	16
1														
065048		2	32	32						3				
064093		3	48	42	6						4			
065047		3	48	48							4			
065011		2	38	32	6						3			
065045		2	32	32	6							2		
064107		3	48	48								3		
		15	246	234	18									
2														
		2	32	32			3							
		2	32	32				3						
		3	48	48					3					
		3	48	48						4				
		2	32	32							3			
		3	48	48								3		
		15	240	240										
		15												

064721	Matlab	2	32		32		3							
064728	MATLAB	2	32		32			4						
064731		3	48	40	8				4					
064111		1	32		32			2						
064043		2	40	32	8			4						
064297		2	32	32					3					
064549		3	48	40	8						4			
406900		1	16	16								2		
064144		3	48	24	24						4			
064738		3	48	32	16							4		
064725		2	32	32								2		
064120		2	32	32							3			
065059		2	32	32								4		
065066		2	32	32								4		
064516		2	32	32							4			
064055		3	48	48							4			
064118		2	33	33							3			
064119		2	33	33							3			
084164		3	48	48								6		
064122		3	48	48								6		
064123		3	48	48								6		
065013		2	32	32							4			
065053		2	32	32							4			
065054		2	32	32								4		
064932		2	32	32								2		
064327		2	32	32								2		
064432		2	32	32								4		
065055		2	32	32								4		
		62	1018	858	160									
8														

			1		1						
064582		1	1						1		
065236		3	3				3				
064693		1	1		1						
064975		1	1					1			
064659		1	1					1			
064988		2	2					2			
064277	( )	6	10							10	2
060037	( )	8	12								12
		23	32		2		3	4	1	10	14

	3	<p>1. 1-7</p> <p>2.</p> <p>3. 14</p> <p>4.</p> <p>5.</p>
" "	3	<p>1. " 3-6 "</p> <p>2.</p> <p>3.</p> <p>4.</p>
		<p>1. 3-4 3-4 5</p> <p>2. 4</p> <p>2.</p>
" +"		<p>1. 3-6</p> <p>2.</p> <p>3.</p> <p>4.</p>

1.	165	40	12
84		61	15
8	23	6	
2	4		2 2
12	2-7		
3.			
	15		
4.		8	
5.			
6			3



Electronics Science and Technology

080702

3-5

A	A1
	A2
B	B1
	B2

C	C1
	C2
D	D1
	D2
E	E1
	E2

4

C

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			H							H	
	B	H				H					
		H				H					
		H				H					
	C	H	H	L	L	H	M	L			
	B	H	L	M	M	H			H		
	B	L	H	M	M	H		H			
	CAD			M							M
		H	L	M	M	H	L				
			H	M	M	H		H			
		H	M	H	M	H					
		H	M	H	M	H					
			H	M	M	H		H			
			H	M	M	H		H			
		H	M	H	M	H					
		H	L	H	M						
		H	H	H	M						
		H	H	H	M						
		H	L	M	M						
1											
		H	M	H	M	M					
		H	M	H	M	H					
		H	M	H	M	H					
		H	M	H	M	H					
		H	M	H	M						
2											
		H	M	H	M	H					
	LED	H	M	H	M	H					
		H	M	H	M						
		H	M	H	M						
		H	M	H	M						

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	MATLAB	H	M	H		H					
	EDA	H	M	M	M						
		H						H	H		
		H	M	H	M	H					
		H	M	H	M						
		H	M	H	M						
		H	M	H	M	H					
	DSP	H	M	H	M	H					
		H		H							
			H		H	M	H				
			H		H	M	H				
			H	M	H	M	H				
			H	M	H	M	H				
			H	M	H	M	H				
			H	M	H	M	H				
			H	M	H	M	H				
			H	M	H	M	H				
			H	M	H		H				
	( )			M	H	H	M				
	( )					H		H		H	
								H		H	
			H	M	H	H	M	H			
			H							H	
			H	M	H	H	M	H			
			H	M	H	H	M	H			

' H'

' M'

' L'

	15		2						2			1
	16		2					1				
	16		2					1				1
	16		2	1	1							1
	16		2			1						2
	16		2									1
	8-10		2								6-8	2
								12			2	
	103 --105								2	2	8-10	

	400	272	192	728	240	208	72	128	64	34
	25	15	12	47	7	13	2	8	2	23+6
	32.50		33.75		9.38		6.06		17.58	
	2304			160			55			
=33.33%										

							15	16	16	16	16	16		
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16		1								
000012		3	48	32	16				2+1					
000008	( )	4	64	32	32	4								
000009	( )	4	64	32	32		4							
000040		2	32	16	16	2								
000016	( )	1	32		32	2								
000017	( )	1	32		32		2							
000018	( )	1	32		32			2						
000019	( )	1	32		32				2					
000032		2	32	32					2					
000065		2				2								
000099		1	16	16						1				
000097		2	32	32					2					
000102		1	16	16			1							
000081		1	16	16						1				
000080		1	16	16			1							
000053		2	32	32			2							
		40	672	400	272	12	11	6	9	2				
000007		1	2											
		2												
		2												
		2												
		4												

															16	16	16
065010			1	16			1										
084228- 29	B		6	96	96		4	3									
084114			3	48	48			3									
084212			3	48	48				3								
000067	C		3	64	32	32	4										
000069- 70	B		4	64	64			4									
000075- 76	B		1	32		32		1	1								
064569	CAD		3	64	32	32	4										
064208			3	48	48			3									
064016			0.5	16		16		1									
063230			4	64	64				4								
063231			4	64	64				4								
064025			1	32		32			2								
064026			1	32		32			2								
064083			3.5	64	48	16				3+1							
064566			3.5	64	48	16				3+1							
064217			3.5	64	48	16					3+1						
064022			3	56	40	16					3+1						
064213			3	48	48								3				
			54	984	728	240	13	15	16	8	8	3					



														16
1														
064226		3.5	64	48	16				3+1					
064230		3.5	64	48	16					3+1				
064234		2.5	48	32	16					2+1				
064088		2.5	48	32	16						2+1			
064086		3	56	48	8						4			
2														
064001		3	52	44	8				3+1					
064005		3	48	32	16					2+1				
064010		3	48	32	16					2+1				
064009	LED	3	48	32	16						2+1			
064092		3	52	44	8						3+1			
		15												

064339	MATLAB	2	48	16	32			1+2						
064227		2 5	48	32	16			2+1						
064588	EDA	3 5	64	48	16				3+1					
064245		2 5	48	32	16				2+1					
064310		3	48	48						3				
064247		3	56	40	16					2+1				
064258		2	36	28	8					2+1				
064231		2 5	48	32	16					2+1				
064216		2	32	32							2			
064261		3	48	48							6			
064049		3	64	32	32						2+2			
064246		1. 5	32	16	16						2			
064260		3	48	48								6		
064221		2 5	48	32	16							6		
064624	DSP	2 5	48	32	16							4+1		
064214		2	32	32								4		
064217		2	40	24	16							3+1		
064564		$\frac{2}{5}$	48	32	16			2+1						
064235		2 5	45	36	9				3+1					
064220		3	56	40	16				4					
064237		2	32							4				
064238		3	48	24	24						3			
064239		2 5	45	36	9							4+1		
064240	CCD	2 5	40	24	16							3+1		
064513		2 5	48	32	16				2+1					
064674		2 5	48	36	12							4+1		
10														



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Electronics and Information Engineering

080701

3-5

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2

4

EDA

A1 A2 B1 B2 C1 C#

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			H							M	H
	A	H			M						
		H			M						
		H		M	M						
		H		M	M						
	D	H			M						
				M	H						
		H		M	L	L					
		H			M						
				H	M	L					
		H		M	L						
		H		M	L						
				H	M						
				H	M						
		H		M	L						
				H	M	M	L				
		H		M	M	M					
	FPGA	H		M	M	M					
		H		M	M	M					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					



	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	H		H	M	L					
	H		H	M	L					
			H	M	M	L				
MATLAB			H	M	M	L				
			H	M	M	L				
	M	M								
DSP			H	M	M	L				
	H		M							
	H		M							
					H				H	M
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		M	H	M	M				L	L
( )	L	M	M	M	M	H	M	M	M	M
	L	M	M	M	M	H	M	M	M	M
	L	M							H	M
	L	M	M	M	H	M	M	M	M	M

' H'

' M'

' L'

	15		2					2		1
	16		2				1			
	16		2	2			1			1
	16		2	2						1
	16		2	3						2
	16		2	2						1
	8		2	1					8	2
						12			2	
	103		14	10		12	2	2	10	

	400	272	192	848	208	240	80	112	48	34	
	25	15	12	53	12.5	15	5	7	1.5	23+6	
	29.7			37.4		11.4		4.9		16.6	
				2400	175					63	
=36.00%											

							15	16	16	16	16	16		
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16		1								
000012		3	48	32	16				2+1					
000008	( )	4	64	32	32	4								
000009	( )	4	64	32	32		4							
000040		2	32	16	16	2								
000016	( )	1	32		32	2								
000017	( )	1	32		32		2							
000018	( )	1	32		32			2						
000019	( )	1	32		32				2					
000032		2	32	32					2					
000065		2	0	0		2								
000099		1	16	16						1				
000097		2	32	32					2					
000102		1	16	16			1							
000081		1	16	16						1				
000080		1	16	16			1							
000053		2	32	32			2							
		40	672	400	272	12	11	6	9	2				
000007		1	2											
		2												
		2												
		2												
		4												

														15
065024		1	16	16		1								
084228- 29	A	8	128	128		4	4							
086044		4	64	64				4						
000067		4	80	48	32		3+2							
064550		2 5	48	32	16	2+1								
000069- 70	D	6	96	96		3	3							
000075- 76		1	32		32	1	1							
064238		4	64	64				4						
064208		5	80	64	16		4+1							
063230		5	80	64	16			4+1						
063231		5	80	64	16			4+1						
064217		4	64	48	16					3+1				
064083		4	64	48	16				3+1					
064566		4	64	48	16				3+1					
064588		4	64	48	16				3+1					
064259		4	64	48	16					3+1				
		65 5	1056	880	208	12	18	18	12	6				

							15	16	16	16	16	16	16
1( )													
064220		4	64	48	16					3+1			
064224		4	64	48	16					3+1			
064586		4	64	48	16						3+1		
064661		4	64	48	16						3+1		
064623		4	64	48	16							3+1	
		20	320	240	80					8	8	4	
2( )													
064652		4	64	48	16					3+1			
064665		4	64	48	16					3+1			
064653		4	64	48	16						3+1		
064654		4	64	48	16						3+1		
064655		4	64	48	16							3+1	
		20	320	240	80					8	8	4	
		20											

064230		3.5	64	48	16		3+1
064232		2.5	48	32	16		2+1
064656		3.5	64	48	16		3+1
064657		3.5	64	48	16		3+1
064234		2.5	48	32	16		2+1
064049		2.5	48	32	16		2+1
064658		2.5	48	32	16		2+1
064246		1.5	32	16	16		2
064339	Matlab	2	48	16	32	1+2	
064659	Python	2.5	48	32	16		2+1
064660							

			1		1							
064354		1	1			1						
064017		1	1				1					
064018		1	1				1					
064594		1	1					1				
064678		1	1					1				
064662		4	4					1	2	1		
064277		6	10							8	2	
060037		8	12								12	
		23	32			1	3	2	3	2	9	14

	3	
	3	

1. 175 40 12  
 78 65.5 20  
 8.5 23 6  
 2. 4 2 2  
  
 12 2-7  
 3.  
 20  
 4. 8.5  
 5. 6  
 3

Electronics and Information Engineering

080701

3-5

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2



4

;

EDA

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			H							M	H
	A	H			M						
		H			M						
		H		M	M						
		H		M	M						
	D	H			M						
				M	H						
		H		M	L	L					
				H	M	L					
		H		M	L						
		H		M	L						
				H	M						
				H	M						
		H		M	L						
				H	M	M	L				
		H		M	M	M					
	EDA	H		M	M	M					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					
		H		H	M	L					

	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	H		H	M	L					
	H		H	M	L					
			H	M	M	L				
MATLAB			H	M	M	L				
			H	M	M	L				
	M	M								
DSP			H	M	M	L				
	H		M							
	H		M							
( 2 )					H				H	M
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		L	H	M	L					
		M	H	M	M				L	L
( )	L	M	M	M	M	H	M	M	M	M
	L	M	M	M	M	H	M	M	M	M
	L	M							H	M
	L	M	M	M	H	M	M	M	M	M

• H

• M

• L

	15		2					2		1
	16		2				1			
	16		2	1			1			1
	16		2	2						1
	16		2	3						2
	16		2	2						1
	8		2	1					8	2
						12			2	
	103		14	9		10	2	2	10	

	400	272	192	768	240	224	80	104	48	32
	25	15	12	48	7.5	15	2.5	6.5	1.5	23+6
	32.1		34.3			10.8		4.9		17.9
				2328			162			55.5
=34.26%										

						15	16	16	16	16	16
000033		3	48	32	16	2+1					
000034		3	48	32	16		2+1				
000085		4	64	48	16			3+1			
170001		1	16	16		1					
000012		3	48	32	16				2+1		
000008	( )	4	64	32	32	4					
000009	( )	4	64	32	32		4				
000040		2	32	16	16	2					
000016	( )	1	32		32	2					
000017	( )	1	32		32		2				
000018	( )	1	32		32			2			
000019	( )	1	32		32				2		
000032		2	32	32					2		
000065		2	0	0		2					
000099		1	16	16						1	
000097		2	32	32					2		
000102		1	16	16			1				
000081		1	16	16						1	
000080		1	16	16			1				
000053		2	32	32			2				
		40	672	400	272	12	11	6	9	2	

														16
065024		1	16	16		1								
084228-29	A	8	128	128		4	4							
086044		4	64	64				4						
000067		4	80	48	32		3+2							
064550		2 5	48	32	16	2+1								
000069-70	D	6	96	96		3	3							
000075-76		1	32		32	1	1							
064208		4	64	64			4							
064016		1	32		32		2							
063230		4	64	64				4						
063231		4	64	64				4						
064025		1	32		32			2						
064026		1	32		32			2						
064217		3 5	64	48	16					3+1				
064083		3 5	64	48	16				3+1					
064566		3 5	64	48	16				3+1					
064588		3 5	64	48	16				3+1					
		55 5	1080	768	240	12	19	16	12	4				

							16	16	16	16	16	16	16
1( )													
064220		3.5	64	48	16					3+1			
064224		3.5	64	48	16					3+1			
064586		2.5	48	32	16						2+1		
064661		3.5	64	48	16						3+1		
064623		3.5	64	48	16							6+2	
		17.5	304	224	80					8	7	8	
2( )													
064683		3.5	64	48	16					3+1			
064665		2.5	48	32	16					2+1			
064684		3.5	64	48	16						3+1		
064685		3.5	64	48	16						3+1		
064686		3.5	64	48	16							6+2	
		17.5	304	224	80					7	8	8	
		17.5											



							15						
064230		3.5	64	48	16					3+1			
064232		2.5	48	32	16					2+1			
064687		3.5	64	48	16						3+1		
064688		3.5	64	48	16						3+1		
064234		2.5	48	32	16					2+1			
064049		2.5	48	32	16						2+1		
064689		2.5	48	32	16						2+1		
064246		1.5	32	16	16						2		
064339	Matlab	2	48	16	32			1+2					
064690	Python	2.5	48	32	16				2+1				
064691		2.5	48	32	16					2+1			
064088		2.5	48	32	16					2+1			
064216		2	32	32							2		
064624	DSP	2.5	48	32	16						2+1		
064247		2.5	48	32	16					2+2			
064227		2.5	48	32	16				2+1				
064245		2.5	48	32	16				2+1				
064219		3	48	39	9							6	
064226		2.5	48	32	16						2+1		
064692		2.5	48	32	16					2+1			
8													

			1		1							
064354		1	1			1						
064017		1	1				1					
064018		1	1				1					
064594		1	1					1				
064678		1	1					1				
064693		4	4					1	2	1		
064277		6	10							8	2	
060037		8	12								12	
		23	32			1	3	2	3	2	9	14

	3	
	3	

1. 162 40 12  
81 55.5 17.5  
8 23 6  
2 4 2 2

12

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17.5

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Optoelectronic information science and engineering

080705

C	C1
	C2
D	D1
	D2
E	E1
	E2 LED

4

CAD

LED

A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
						H	L	H	M
						L		H	
						L	L	H	M
						M	L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	M	M	M	M	H	M	M	L	M
	B	H						M	M	M	L
		H								L	L
	(C )	H								L	L
	D	H								L	L
	D	H								L	L
	B	H				M				L	L
		H		H		M				L	L
		H		H		M				L	L
		H		M		M				L	L
		H		H						L	L
		H		H						L	L
		H		M						L	L
				H						M	L
		H				M				M	L
		H		H	H					M	L
		H				M				M	L
	1										
	LED	H		M			M				H
		H		M			M				H
		H		M			M				L
		H		M			M				M
		H					M				M
	2										
		H		M			M				H
		H					M				M
		H		H	H	H	M				M
		H					M				H
		H					M				H

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	MATLAB	H			M						L
		H			H						L
		H		M							L
	EDA	H							L		L
		H	H								
		H		H							L
	CAD	H			H	M					H
		H			H						L
		H			H	M					L
		H									L
		H									L
		H									L
	ARM	H		M							L
	DSP	H		M							L
		H			H						M
		H			H						M
		H		M							M
	LED	H		H						H	
										H	M
						M				M	M
				H						M	M
				H						M	L
				H	H					L	H
				H					H	L	H
	LED			H	H				H	L	H
				H	H	H			H	L	H
( )				H				H	L	H	
								H		H	L
					H	H	H	H			H
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					H	H				M	H

' H'

' M'

' L'



	15		2						2			1
	16		2				1		1			
	16		2				1		1			1
	16		2	1								1
	16		2	1								2
	16		2		1							1
	10		2			1					8	2
								12			2	
	105		14	2	1	1	2	12	2	2	10	

	400	272	192	728	224	216	80	168	48	31	
	25	15	12	45	7	13.5	2.5	10.5	1.5	22+6	
	32.50%		32.50%			10.00%		7.50%		17.50%	
				2328			160			54	
=33.75%											



000098		1	16	16		1								
084228	B( )	3	48	48		3								
084229	B( )	3	48	48			3							
086044		4	64	64				4						
000067	(C )	3	64	32	32		2+1							
000069	D	4	64	64		4								
000070	D	3	48	48			3							
000075	B	1	32		32	2								
064613		3.5	64	48	16		3+1							
064614		3.5	64	48	16			3+1						
064034		3.5	64	48	16		3+1							
064030		3.5	64	48	16			3+1						
064031		3.5	64	48	16			3+1						
064002		2	32	32					2					
064604		1	32		32				2					
064434		3.5	64	48	16				3+1					
064063		3.5	64	48	16					3+1				
064253		2.5	48	32	16				2+1					
		52	944	728	224	10	17	16	11	4				

1														
064649	LED	3.5	64	48	16					3+1				
064651		3.5	64	48	16						3+1			
064650		3.5	64	48	16					3+1				
064699		3	56	40	16						2+1			
064832		2.5	48	32	16							3+1		
		16	296	216	80					8	7	4		
2														
064652		3.5	64	48	16					3+1				
064833		2.5	48	32	16						2+1			
064844		3.5	64	48	16						3+1			
064564		3.5	64	48	16					3+1				
064845		3	56	40	16							3+1		
		16	296	216	80					8	7	4		
		16												

064435	MATLAB	1.5	32	16	16			2					
064203		2	32	32		2							
064563		2	32	32								3	
064011	EDA	2.5	48	32	16						2+1		
064456		2	32	32						2			
064011		2	32	32						2			
064005	CAD	4	64	32	32				2+2				
064003		2.5	48	32	16							3+1	
064893		3	48	48				3					
064894		2	32	32								3	
064225		3	48	32	16					3			
064227		2.5	48	32	16						2+1		
064603	ARM	2.5	48	32	16					2+1			
065006	DSP	3.5	64	48	16						3+1		
065007		2	32	32							2		
064999		1.5	32	16	16							2+1	
065008		2.5	48	32	16							3+1	
065009	LED	2	32	22	16							3+1	
12													

			1		1						
064582		2	2		1	1					
063222		1	1		1						
064354		1	1			1					
064399		1	1				1				
064895		1	1					1			
064896	LED	1	1						1		
064897		1	1							1	
064277	( )	6	10							8	2
060037		8	12								12
		22	31		3	2	1	1	1	9	14

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		2-7 2
		3-7 " + 3-5 4-5 3-6

1	160	40	12
80		52	16
12	22	6	
2		4	
4		2	
			12
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	16		
4		12	
5			
	6		3

Material Chemistry

080403

A	A1
	A2
B	B1
	B2
C	C1
	C2



D	D1
	D2
E	E1
	E2

4

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
	( )							M	L	H	M	
	( )							M	L	H	M	
								L			L	
	( )							M		H		
	( )							M		H		
	( )							M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
										H	H	
										H	L	
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			M					L		L	L
		H	M			M	L				
		H	M			M	L				
		M		M		M	L				
	A	H	M			M			M		
	A	H	L			M			M		
	CAD		M	M	M	M					
		H		M		M					L
				H		L		L			M
		H		M		M					L
				H		L		L			M
		H		M		L		L			
				H		L		L			M
		H		M		M		L			
		H	M	L		M					
		H		M		M					L
				H		M		L			M
		H		M		L		L			
		H	L	M		M					
		H		M		M		L			
			H		M		L	L			
	H		M		L			L			
			H		M		M			L	
		M	H			M					
		H	M	M							
		L		H		M		L			
		H				L					
			L	M			H				
		M		H		M		L			
		M		H		M		L			
		M		H		M		L			
		M		M		H		L			
		H		M		M		L			



	15		2						2			1
	16		2					1				
	16		2					1				1
	16		2									1
	16		2									2
	16		2									1
	10		2								8	2
	14							12			2	
	105								2	2	10	

	416	288	192	760	272	192	32	112	32	30	
	26	16	12	48	8.5	12.5	1	7	1	19+6	
	34.3%			36.0%			8.6%		5.1%		15.9%
				2296			157			51.5	
	=32.80%										

							15	16	16	16	16	16		
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16		1								
000012		3	48	32	16				2+1					
000109	( )	4	64	32	32	4								
000110	( )	4	64	32	32		4							
000111	(	2	32	16	16			2						
000040		2	32	16	16	2								
000112	( )	1	32		32	2								
000113	( )	1	32		32		2							
000114	( )	1	32		32			2						
000115	( )	1	32		32				2					
000032		2	32	32					2					
000065		2				2								
000099		1	16	16						1				
000097		2	32	32					2					
000102		1	16	16			1							
000081		1	16	16						1				
000080		1	16	16			1							
000053		2	32	32				2						
		42	704	416	288		11							
000007		1	4											
		2												
		2												
		2												
		4												

														15
074404			1	16	16		1							
084311/ 084229			6	96	96		3	3						
034525			4	64	64				4					
000067			2	32	32		2							
000119	A		3	48	48			3						
000116	A	0.5		16		16		1						
074502	CAD		3	48	24	24				3				
074500			4	64	64		4							
074501			1	32		32	2							
074112			1	32		32		2						
074493			1	32		32		2						
074077			4	64	64			4						
074076			1	32		32		2						
074541			4	64	64				4					
074492			1	32		32			4					
074067			2	32	32					2				
074164			3	48	48					3				
074539			1	32		32				2				
074540			3.5	64	48	16				4				
074426			3	48	48							4		
074427			3	48	48						3			
074503			1	24	24						2			
074115			2.5	40	40						3			
074269			1	24	0	24					2			
			56.5	1032	760	272	12	15	14	14	10	4		

							15	16	16	16	16	16		
1														
074504		3	48	48							3			
074430		2.5	48	32	16					3				
074432		2	32	24	8						2			
074369		2	32	32						2				
074506		2	32	32								2		
074507		2	32	24	8						3			
		13.5	224	192	32					3	10	2		
2														
074369		2	32	32								2		
074195		2	32	24	8						2			
074505		2	32	24	8						2			
074391		2.5	48	32	16					3				
074508		2.5	48	32	16						3			
074509		2.5	48	32	16						3			
		13.5	13.5											



074447		2	32	32								4	
074294		2	32	32							2		
074428		2	32	32								4	
074497		2	32	16	16					2			
074507		2	32	32								4	
074498		2	32	32								4	
074499		2	32	32							2		
074500		2	32	32							2		
074451		2	32	32						2			
074447		2	32	26	6						2		
074501		2	32	32						2			
074511		2	32	32						2			
074503		2	32	26	6							4	
074513		2	32	32									
8													

			1		1						
074389		2	2					1	1		
074514		1	1					1			
074515		1	1						1		
074516		1	1							1	
074517	( )	6	10	7							
074523		8	14	14							
		19	30		1	0	0	2	2	10	14

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1. 157 42 12  
78 56.5 13.5  
8 19 6  
2 4 2 2



# 化学工程与工艺

Chemical Engineering and Technology

081301

) (

A	A1
	A2
B	B1
	B2
C	C1
	C2



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
		( )						M	L	H	M	
		( )						M	L	H	M	
								L			L	
		( )						M		H		
		( )						M		H		
		( )						M		H		
		( )						M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
										H	L	
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									L	H	M	
									L	H	H	
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		A		B		C		D		E	
		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		L								M	H
		H	H			M					
		M	H			M					
		M	H			M					
	VB	M				H	M				L
		M	M						M		
		M				M			M		
		H		M		L			M		
		M		H	H				M		
		H		M			M				
		H		M			M				
		H		M		M	M				
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				M		M	M		L		
		H		H	H				H		
		H		M	H	M			H		
		M		H	H				M		
		M		M	H	M			M		
	HSE				M						H
	M		H	M				H			
				M	H	M					
		M		M	H				M		
		M		M	H	M			M		
		M	M	H	M			L	H		M
		M		M	M						
		M		M	M	L			M		
		M			M				M		
		M		M	M				M		

		A		B		C		D		E	
		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M	M				H	M			
	CAD		M	M	H		M		M		L
		M		M		M					
		M									
		M	M						M	M	L
		M			M		L	M			
		M			M				M		L
			L		M		L	L	M		L
			M				M			M	L
					M	H	M		M		
				M	H				M		L
	(1 )							H		M	L
			M		M	H		M			L
			M		M	H		M			L
				M	M			M	H		L
			H	M	H				H		M
		H			M	H		H	H		
	capstone	H	H	H	H	H	H	H	H	H	H
	( )	H	M	H	M	H	H		M	M	H
		M	M				M	H	L	L	
							L		H	M	
		L	M	M	M	M	M	M	M	M	
	CAD	L		M	M			M		L	
		L	M			M	M		L	L	

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						capstone						
	15		2							2		1
	16		2						1			
	16		2						1			1
	16		2	1								1
	16		2	1			2					2
	16		2	1	1							1
	8		2		3	6					8	2
								12			2	
	103		14	3	4	6	2	12	2	2	10	

	400	272	192	789	337	146	46	96	64	38	
	25	15	12	50	11	10	2	6	2	26+6	
	31.52%			36.97%		7.27%		4.85%		19.39%	
				2367		165				62	
	=37.58%										

							15	16	16	16	16	16	8	0		
000033		3	48	32	16	2+1										
000034		3	48	32	16		2+1									
000085		4	64	48	16			3+1								
170001		1	16	16		1										
000012		3	48	32	16				2+1							
000109	( )	4	64	32	32	4										
000110	( )	4	64	64	32		4									
000040		2	32	16	16	2										
000112	( )	1	32		32	2										
000113	( )	1	32		32		2									
000114	( )	1	32		32			2								
000115	( )	1	32		32				2							
000032		2	32	32					2							
000065		2				2										
000099		1	16	16						1						
000097		2	32	32					2							
000102		1	16	16			1									
000081		1	16	16						1						
000080		1	16	16			1									
000053		2	32	32			2									
		40	672	400	272	11	11	6	9	2						
000007		1	2													
		2														
		2														
		2														
		4														



1															
074071		3	48	42	6					3					
074002		3	48	42	6						3				
074528		2	32	26	6							2			
074227		4	64	56	8						4				
2															
074164		2	32	16	16					2					
074430		4	64	56	8					4					
074529		3	48	32	16						3				
074530		3	48	42	6					3					
		12	192	146	46										

	074013		2	32	32							2			
	074270		2	32	26	6							4		
	074218	CAD	2	32	12	20					2				
	074115		3	48	32	16					3				
	074034		2	32	26	6							4		
	074531		2	32	26	6					2				
	074532		2	32	26	6							4		
	074039		2	32	26	6						2			
	074533		2	32	22	10							4		
	074017		2	32	12	20						2			
	074534		2	32	24	8							4		
	074535	HSE	2	32	26	6					2				
	074536		2	32	20	12							4		
	074537	( )	2	32	26	6							4		
			8												

			1		1									
074229-30		2	2				1	1						
074282		1	1						1					
074019		2	2					2						
074283		2	2						1	1				
074020		2	2								2			
074538	capstone	3	6								6			
074517	( )	6	10								8	2		
074523		8	12										12	
		26	38		1	0	1	3	2	17	14			

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1.                    165                    40                    12                    81

   61                    12                    8

                         26                    6

2.                    6

   12

3.

   12

4.                    8

5.                    6

                         3

Environmental Engineering

082502

A	A1
	A2
B	B1
	B2 CAD
C	C1
	C2

D	D1
	D2
E	E1
	E2

4

1.           :    1        2
2.                1 6        4
3.           2 3        2
4.                            398                    16.9        1 6
- 5.
- 1        4 5 6
6.           5        1
7.           6        2
8.           8        12
9.           /            7 8        10



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			H				M				H
		H			M	M					
		H			M	M					
	VB			H	M	M					
	A	H				M					
	A	M		H				M			M
		H				M					
		M		H				M			M
		H				M					
		M		H				M			M
		H				M					
		H		H		L					
		H		H		M					
		H		H		L					
		H									M
		H		M							
		H		H		L					L
				H	M	M					
				H	M	M					
		H									M
		M		H		M		M			
		H	M			M					M
		H	M			M					M
		H	M			M					M
		M		H	M	M		L			
		M		H	M	M		L			
		M		H	M	M		L			
		M		H	M	M		L			

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	M	L							H
		H	M								M
		H			M		L		L		
			M					M		H	
		H			M		L		L		
		H		H		M			L		
		M		H	M	M		L			
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	( 2 )										
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	-	M				H	H				
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• H

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• L

	15		2							2		1
	16		2						1			
	16		2						1			1
	16		2	1								1
	16		2		1		1					2
	16		2			1	2					1
	10		2								8	2
								12			2	
	105			1	1	1	3	12	2	2	10	

	416	288	192	640	368	192	96	96	32	29	
	26	16	12	37	15	12	3	6	2	20+6	
	34.8			33.5			9.7		5.2		16.8
				2320			155			62	
=40.00%											

							15	16	16	16	16	16								
000033		3	48	32	16	2+1														
000034		3	48	32	16		2+1													
000085		4	64	48	16			3+1												
170001		1	16	16	0	1														
000012		3	48	32	16					2+1										
000109	( )	4	64	32	32	4														
000110	( )	4	64	32	32		4													
000111	( )	2	32	16	16			2												
000040		2	32	16	16	2														
000112	( )	1	32	0	32	2														
000113	( )	1	32	0	32		2													
000114	( )	1	32	0	32			2												
000115	( )	1	32	0	32					2										
000032		2	32	32	0					2										
000065		2	0	0	0	2														
000099		1	16	16	0						1									
000097		2	32	32	0					2										
000102		1	16	16	0		1													
000081		1	16	16	0						1									
000080		1	16	16	0		1													
000053		2	32	32	0			2												
		42	704	416	288	12	11	8	9	2										
000007		1																		
		2																		
		2																		
		2																		
		4																		

074404		1	16	16	0	1							
<del>084228</del> -29		6	96	96	0	3	3						
086712		4	64	64	0			4					
000067	VB	3	48	16	32		3						
000119	A	3	48	48	0		3						
000116	A	0.5	16	0	16		1						
074078		4	64	64	0	4							
074081		1	32	0	32	2							
074077		3	48	48	0		3						
074076		1	32	0	32		2						
074542		3	48	48	0			3					
074086		1	32	0	32			2					
074087		2.5	48	32	16				3				
074284		3	64	32	32					4			
074115		3	64	40	24				4				
074474		2	32	32	0	2							
074286		2.5	48	32	16				3				
074326		3	64	40	24			4					
074483		1	32	0	32					2			
074293		1	32	0	32						2		
074321		2	32	32	0			2					
074421		1.5	48	0	48							6	
		52	1008	640	368	12	15	15	10	6	2	6	

							15	16	16	16	16	16	16
1													
074542		3	48	48							3		
074324		3	48	48						3			
074543		3	48	48					3				
074489		1	32	0	32				2				
074287		1	32	0	32						2		
074289		1	32	0	32					2			
074536		3	48	48							3		
		15	288	192	96				5	5	8		
2													
074325		3	48	48						3			
074288		1	32		3 2					2			
074323		2	32	32				2					
074536		3	48	48							3		
074134		2.5	48	32	1 6					3			
074308		2.5	48	32	1 6						3		
15													

074406		2	32	32							2		
074126		2	32	32						2			
074490		2	32	32								5	
074294		2	32	32							2		
074295		2	32	32								5	
074487		2 5	48	32	16						3		
074134		2	48	16	32					3			
074308		2	48	16	32					3			
074484		2	32	32						2			
074491		2	32		32							4	
074485		2	32	32							2		
074486		2	32	32								4	
074040		2	32	32							2		
8													

			1		1									
074311			1						1					
074019			2								2			
074544			1					1						
074545			1						1					
074546			1								1			
074517	( )		10		7									
074523			12											
			29	0	1	0	1	2	3	8	14			
				24	26	25	24	20						



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Biotechnológia

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	D	D1
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								H		H	L
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						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
					M						
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	1		M								
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			M								
		M	M		L						
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		M	M		L						
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		M		M			M		L		
		M	M	M							M
		H	M	M					L		
		M		H		M		L			
		H		M					L		M
		M		M		M		L			
		M		H		M					
		H	M			M					L
		M	M	M		L					
				M		M	M			L	
		M		H		M			L		
		M		H		M			L		
		M		M		M			M		
		M		M		M			L		
		M		M		M			L		
		M	M	M			M				M
		M		M							

CAD

A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	M	M				M			
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M		M		M					H
M		M		M					H
		M							
					M				
M		M		L					L
M							M		H
M					M		M		
M	M	M							L
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	16		2						1			
	16		2						1			1
	16		2				1					1
	16		2	1			1					2
	16		2		1		1					1
	10		2			1	1				8	2
								14			2	
			14	1	1	1	4	14	2	2	10	8

	464	208	192	789	319	192	96	112	32	34	
	25	15	12	50	10	12	3	7	1	21+6	
	32.10		37.04			9.26		4.94		16.67	
				2404				162			56
= 34.57%											



							15	16	16	16	16	16	10	0																																				
000033		3	48	32	16	2+1																																												
000034		3	48	32	16		2+1																																											
000085		4	64	48	16			3+1																																										
170001		1	16	16		1																																												
000012		3	48	32	16				2+1																																									
000109	( )	4	64	64		4																																												
000110	( )	4	64	64			4																																											
000040		2	32	16	16	2																																												
000112	( )	1	32		32	2																																												
000113	( )	1	32		32		2																																											
000114	( )	1	32		32			2																																										
000115	( )	1	32		32				2																																									
000032		2	32	32					2																																									
000065		2	0	0	0	2																																												
000099		1	16	16						1																																								
000097		2	32	32					2																																									
000102		1	16	16			1																																											
000081		1	16	16						1																																								
000080		1	16	16			1																																											
000053		2	32	32			2																																											
		40	672	464	208	12	11	7	9	2																																								
000007		1	2																																															
		2													4																																			
		2																									2																							
		2																																					12											
		4																																																

	074404		1	15	15			1						
	084228- 29	B	6	93	93			3	3					
	086712	1	4	64	64					4				
	000067	VB	3	48	16	32			3					
	094305	A	3	48	32	16			3					
	074078		4	60	60			4						
	074081		1	32		32		2						
	074077		3	48	48				3					
	074076		1	32		32			2					
	074274		2 5	48	32	16							3	
	074070		3 5	60	45	15		4						
	074162		3	48	48				3					
	074055		1	32		32			2					
	074411		3 5	64	48	16				4				
	074400		3 5	64	48	16				4				
	074547		3 5	64	48	16					4			
	074029		3	48	48						3			
	074030		3	48	48							3		
	074462		1	32		32						2		
	074115		2 5	48	32	16						3		
	074395		2 5	32	32	16							4	
	074464		2	32	32	32						4		
			60	1060	789	319		13	19	11	7	5	11	

						16	16	16	16	16	16	10	
1													
074548		2 5	48	32	16					3			
074310		3. 5	64	48	16					3			
074304		2 5	48	32	16						3		
074470		2 5	48	32	16				3				
074463		2	32	32							4		
074549		2	32	32						4			
2													
074550		3. 5	64	48	16				3				
074459		2	32	32						4			
074391		2 5	48	32	16						3		
074551		2	48	16	32					3			
074467		2 5	48	32	16						3		
074552		2	32	32						4			
15													





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Resource and Environment Science

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A	A1
	A2
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
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								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
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						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
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									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			H				L			L	H
		H			M	M					
		H			M	M					
	VB			H	M	M					
	A	H				M					
	A	M		H				M			M
		H		L		M					L
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		H		L		M					L
		M		H		L					L
		H		H	L	L					
		H		M					L		M
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		H		H		M			L		
		H		L		M					M
		M		M	L						M
		H	M		M	M					H
		H	M			M					M
		M		H	M	M		L			
		H		L		L					M
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		M		H	M	M		L			
		M		M	M	L					
		M		H	M	M		L			
		H	M			M					M
		M		H	M	M		L			
		M		M					M		M
		M		M			L				H
		M		M		L					M
		H		H		M			L		
		M		H	M	M		L			
		H		H		L			L		
		M			M			L	M		
		M		H	M	M		L			
		M		M					M		L
		L		M			H				M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	GS	H		H		M			L		
	GS	M		H	H				L		
		H	M	L							H
		M		H	M	M					
		M		M	M	H		L		M	
			M					M	L	H	
		M		H	M	M					
		M		H	M	M		L			
		M		H	M		H	L			
		H	M		M	M					H
		M		H	M	H		L			
		L		L		M					L
		L		H			M				M
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		M	M					H		H	H
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		H	M	H		H		M			

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	15		2						2			1
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	16		2		1							1
	16		2				1					2
	16		2			1	2					1
	10		2								8	2
	14							12			2	
	105		14	1	1	1	3	12	2	2	10	

	400	272	192	752	304	192	96	96	64	29	
	25	15	12	47	10	12	3	6	2	20+6	
	32.91			36.08		9.49		5.06		16.46	
				2368			158			56	
	=35.44%										

						16	16	16	16	16	16
000033		3	48	32	16	2+1					
000034		3	48	32	16		2+1				
000085		4	64	48	16			3+1			
170001		1	16	16	0	1					
000012		3	48	32	16				2+1		
000109	( )	4	64	32	32	4					
000110	( )	4	64	32	32		4				
000040		2	32	16	16	2					
000112	( )	1	32	0	32	2					
000113	( )	1	32	0	32		2				
000114	( )	1	32	0	32			2			
000115	( )	1	32	0	32				2		
000032		2	32	32	0				2		
000065		2	0	0		2					
000099		1	16	16	0					1	
000097		2	32	32	0				2		
000102		1	16	16	0		1				
000081		1	16	16	0					1	
000080		1	16	16	0		1				
000053		2	32	32	0		2				
		40	672	400	272	12	11	6	9	2	

074404		1	16	16	0	1								
084228-29	B	6	96	96	0	3	3							
086712		4	64	64	0			4						
000067	VB	3	48	16	32		3							
000119	A	3	48	48	0		3							
000116	A	0.5	16	0	16		1							
074078		4	64	64	0	4								
074081		1	32	0	32	2								
074077		3	48	48	0		3							
074076		1	32	0	32		2							
074115		3	64	40	24				3					
074321		3	48	48	0			3						
074087		2.5	48	32	16				3					
074487		2	32	32	0					2				
074559		1	32	0	32					2				
074014		2	32	32	0		2							
074335		3	48	48	0			3						
074536		3	48	48	0					3				
074325		3	48	48	0					3				
074288		1	32	0	32					2				
074475		2.5	48	32	16				3					
074326		3	64	40	24			4						
074020		1.5	48	0	48								6	
		57	1056	752	304	10	17	14	13	8	0	6		

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074488	GI S	2	32	32	0				2				
074563	GI S	1	32	0	32				2				
074406		2	32	32	0						2		
074483		1	32	0	32					2			
074040		2	32	32	0						2		
074013		2	32	32	0						2		
074293		1	32	0	32						2		
074486		2	32	32	0							4	
074491		2	32	0	32							4	
074484		2	32	32	0					2			
074485		2	32	32	0						2		
074453		1.5	32	16	16							4	
074457		2	32	32	0						2		
8													



			1		1						
074311		1	1					1			
074019		2	2						2		
074564		1	1			1					
074565		1	1				1				
074566		1	1						1		
074517	( )	6	10							8	2
074523		8	12								12
		20	29		1	2	1	1	3	8	14

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# 土木工程

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	B1 B2
	C1 C2
	D1 D2
	E1 E2

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
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								L			L
	( )							M		H	
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										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
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										H	H
											H
							H			H	H
								L		H	M
								L		H	H
								L		H	M
								L		H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	A	H	H			M					
	A	H	H			M					
		H	H			M					
		H	H			M					
	VB	H	H			M					
		M	H			M	H				
	B	H	H			M					
	B	M	H			M	H	L			
		M		H			L	M	L		
		M		H	H			M			
	CAD	H		H	M			L			
				M	M					H	L
		M	H				H				
		H		H				M		L	
		H	M	H							
		H	M	H							
		H	M	H		M					
		H	M	H		M					
		H	M	H		M					
		H	M	H		M					
		H	M	H					M		
		M	M			H					
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		M		H	H	M			M		
		H					H	M	M		
		M		H	H	M					
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		M		H	H	M			M	M	
		M		H	H	M					
		M		H	H	M			M	M	
		H		H	H		M		M		
		M		H	M				H		

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
		M							H	M	H	
		M							H	M	H	
		M		H	M				M			
		H		M				M	H			
		H		M				M	H			
		H		M					H			
		M		H	H	M			M	M		
		M		M	M						H	
		M		H		H				M		
		M		H		H				M		
		(BIM)	M		H		M			H	M	
			M	M	H	H						
		M	M	H	H			M		M		
		H		H	M			M				
		L		H	H	M		M		M		
		L		H	H	M		M		M		
		L		H	H	M		M		M		
		L	M	H	H	M	M	M	M	M	L	
		L	M	H	H	M	M	M	M	M	L	
		M	M	H	H	M		M		M		
		M	M	H	H	M		M		M		
		L	M	H	H	M	M	M	M	M	L	
		L	M	H	H	M	M	M	M	M	L	
		( )	L	M	H	H	M	M	M	M	M	L
		( )	L	M	H	H	M	M	M	M	M	L
						M		M	H	M	M	
		CAD	M	M	H	H	M	H	M	M		
			M	M	H	H	M	H	M	M		

	15		2							2		1
	16		2						1			
	16		2				1		1			1
	16		2				1					1
	16		2	2								2
	16		2		3		4	)				1
	8-10		2			2					8	2
								12			2	
	103 --105		14	2	3	2	6	12	2	2	10	8

	400	272	192	871	130	240	0	128	0	33	
	25	15	12	55	5	15	0	8	0	24+6	
	31. 52%			36. 36%			9. 09%		4. 85%		18. 18%
				2233			165			50	
	=30. 30%										



						15	16	16	16	16	16			
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16		1								
000012		3	48	32	16				2+1					
000044	( )	4	64	64		4								
000045	( )	4	64	64			4							
000040		2	32	16	16	2								
000016	( )	1	32		32	2								
000017	( )	1	32		32		2							
000018	( )	1	32		32			2						
000019	( )	1	32		32				2					
000032		2	32	32					2					
000065		2				2								
000099		1	16	16										
000097		2	32	32					2					
000102		1	16	16			1							
000081		1	16	16						1				
000080		1	16	16			1							
000053		2	32	32			2							
		40	672	464	208	12	11	6	9	1				
		1	2											
		2												
		2												
		2												
		4												

084311	A	4	64	64		4								
084229	A	4	64	64			4							
084114		2	32	32				2						
084108		3	48	48				3						
000067		2.5	48	32	16			3						
064427		2	32	26	6		2							
094305	B	4	64	64		4								
094306	B	1	32	0	32	1								
094319		1	16	16		1								
094133		4	64	64		4								
094332	CAD	1	32	0	32		2							
094017		2	32	32						2				
094060		1	16	16							1			
094013		2.5	48	32	16		3							
094091		3	56	40	16				4					
094007		3	48	48			3							
094008		3.5	56	50	6			4						
094089		3	48	48					3					
094090		2	32	32						2				
094011		2.5	40	32	8					3				
094010		1.5	24	24					2					
094014		3.5	56	56						4				
094023		2	32	32							2			
094015		2.0	32	32							2			
		60	1001	871	130	14	14	12	9	11	5			
60														

														16
1														
094027		2.5	40	40						3				
094028		3	48	48						3				
094201		2.5	40	40							6			
		2	32	32							4			
094037		3	48	48						3				
094431		2	32	32							4			
		15	240	240						3	6	14		
2														
094029		2.5	40	40						3				
094109		2.5	40	40							6			
094262		1	16	16						1				
094030		4	64	64							4			
094434		3	48	48							3			
094046		2	32	32							4			
		15	240	240						4	7	10		



			1		1						
094308		1	1			1					
064116		2	2					4			
094114		1	1				1				
		4									
094182		1	1					1			
094081		1	1						1		
094247		2	2						2		
094299		1	1							1	
094473		1	1							1	
094284		1	1					1			
094257		1	1							1	
094214		1	1							1	
094300		3	3						3		
094477	( )	6	10							10	2
094478		8	12								12
		24	33		1	1	1	1	7	12	14

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CAD	3	

1. 165 40 12  
83 60 15 8  
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Landscape Architecture

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D	D1
	D2
E	E1
	E2



	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
							H	L	H	M
							L		H	
							L	L	H	M
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	( )						M	L	H	M
							L			L
	( )						M		H	
	( )						M		H	
	( )						M		H	
	( )						M		H	
									H	H
							H		M	L
							H		H	L
					M		M	L	H	H
					M		M	L	H	H
							M		M	M
							H		H	H
									H	H
									H	L
							H		H	H
								L	H	M
								L	H	H
								L	H	M
								L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M	M	H			H				
		M	M			H				H	
				H	H	M					H
		H			H			H		M	
3				H							
					H			M		M	M
		H		H		M			M		
		H				M		H			M
		H		H		M					H
		H		M				M		M	
		H		M					H		
		H				M		M			M
		H				M		M			M
		M		H		M			M		
				M		M			M		
2		H	H		M	M				H	
					H	M		M	M		
		H	H		H				M		
		M		H					M		M
		H	H		M			H		M	
				M	M	M		H			
		M					H	H		H	
		H			H	H		M	H		
		H		M	M	M	H	H			

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' M

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	15		2						2			1
	16		2	1					1			
	16		2		1	1	1		1			1
	16		2		1							1
	16		2		1							2
	16		2		1	6	1					1
	8-10		2								8	2
								12			2	
	103 --105								2	2	10	

	400	272	196	860	420	136	72	80	32	38	
	25	15	12	53	13	9	3	5	1	23+6	
	31.13%			39.52%			7.18%		4.79%		17.37%
				2468			165			61	
	=36.96%										

							15	16	16	16	16	16		
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16		1								
000012		3	48	32	16				2+1					
000044	( )	4	32	32	32	4								
000045	( )	4	32	32	32		4							
000040		2	32	16	16	2								
000016	( )	1	32		32	2								
000017	( )	1	32		32		2							
000018	( )	1	32		32			2						
000019	( )	1	32		32				2					
000032		2	32	32					2					
000065		2				2								
000099		1	16	16						1				
000097		2	32	32					2					
000102		1	16	16			1							
000081		1	16	16						1				
000080		1	16	16			1							
000053		2	32	32			2							
		40	672	400	272	10	8	8	9	2				
		1	2											
		2												
		2												
		2												
		4												



						16	16	16	16	16	16	8
094484	2	3	64	32	32							4
094233		2.5	48	40	8							3
094116		3	64	32	32						4	
094094		2	32	26	6							2
		66	1280	860	420	9	14	17	16	15		9

1

094483		3	64	32	32							4
094231	3	3	48	32	16							3
094152		2	32	24	8							4
094489		2	32	24	8							4
094632		2	32	24	8							4
		12	208	136	72							

2

094483		3	64	32	32							4
094488		2	32	24	8							4
094489		2	32	24	8							

094503		2	32	24	8					2				
094108		2	32	24	8					2				
094113		2	32	24	8					2				
094139		2	32	24	8					2				
094120		2	32	24	8					2				
094121		2	32	24	8						2			
095131		2	32	24	8						2			
094143		2	32	24	8						2			
094156		2	32	24	8						2			
094505		2	32	24	8						2			
094268		2	32	24	8						2			
094107		2	32	24	8						2			
094150		1	16	12	4						2			
094507		2	32	24	8						2			
094276		2	32	24	8						2			
094510		2	32	24	8						2			
094523		2	32	20	12						2			
094506	2	2	32	24	8						2			
094513		2	32	24	8							2		
094423		2	32	32								2		
094515		2	32	16	16							2		
094516		1	16	12	4							2		
6														

					1						
094308		2	2			1			1		
094221		1	1			1					
094413		1	1		1						
094572		1	1				1				
094615	1	1	1					1			
094616	2	1	1						1		
094524	2	1	1			1					
094521		1	6						6		
094477	( )	6	12							10	2
094478		8	12								12
		23	38		2	3	1	1	8	10	12

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1. 165 40 12  
86 66 12 6  
23 6  
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Project Cost

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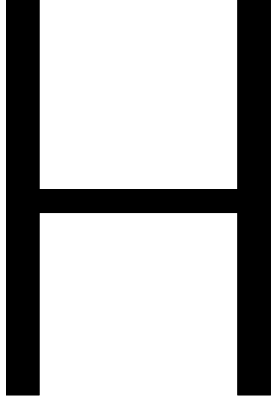
A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2

1. 4
- 2.

CAD BI M

BI M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
	( )							M	L	H	M	
	( )							M	L	H	M	
								L			L	
	( )							M		H		
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	( )							M		H		
										H	H	
									H		M	L
									H		H	L
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
										H	H	
										H	L	
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	



B

A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
H				M					
H				M					
H				M					
H				M					
H					M				
H		H	H	H					
H		H	H	H	H	L			

H

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
				H	H	H					
				H	H	H					
		H			H						
					H			H	H		
		H									H
				H	H	H					H
	BI M			H	H	H					H
		H									
		H									
		H			H						
		H									
					H				H		
				H	H	H					
		H			H				H		
			H								
					H	H			H		
		H		H	H	H					
		H		H	H	H					
	BI M			H	H	H	H				H
		H		H	H	H					
		H		H	H	H					
				H	H	H					
				H	H	H					
				H	H	H					
		H	H	H	H	H	H	H	H	H	H
		H	H	H	H	H	H	H	H	H	H
								H			
								H			
		H						H			
	CAD	H				M		H			
		H						H			
		H						H			
	BI M			H	H	H	H	H			H
			H	H	H	H	H	H			
			H					H			
			H								
		M	M	H	H	H	H				
		M	H					H			
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							/					
	15		2							2		1
	16		2	2					1			
	16		2	2			1		1			1
	16		2		2							1
	16		2		2							2
	16		2			2	4					1
	8-10		2			1					6-8	2
								12			2	
	103 --105		14	4	4	3	5	12	2	2	8-10	

	400	272	192	880	128	216	80	112	0	33	
	25	15	12	55	4	14.5	1.5	7	0	25+6	
	31.5%			35.8%			9.7%		4.2%		18.8%
				2280				165			52.5
	=31.82%										

							15	16	16	16	16	16	8	
000033		3	48	32	16	2+1								
000034		3	48	32	16		2+1							
000085		4	64	48	16			3+1						
170001		1	16	16		1								
000012		3	48	32	16				2+1					
000044	( )	4	64	32	32	4								
000045	( )	4	64	32	32		4							
000040		2	32	16	16	2								
000016	( )	1	32		32	2								
000017	( )	1	32		32		2							
000018	( )	1	32		32			2						
000019	( )	1	32		32				2					
000032		2	32	32					2					
000065		2				2								
000099		1	16	16						1				
000097		2	32	32					2					
000012		1	16	16			1							
000081		1	16	16						1				
000080		1	16	16			1							
000053		2	32	32			2							
		40	672	400	272	11	10	5	8	2				
		1												
		2	4											
		2	2											
		2	12 2-7											
		4	2											



							16	16	16	16	16	16	8	
083238	B	3	48	48		3								
083239	B	3	48	48			3							
084114		2	32	32				2						
084212		3	48	48				3						
000105		2.5	48	32	16			3						
094622		1	16	16		2								
094427		4	64	64		4								
094013		2.5	48	32	16	3								
094621		3	48	48			3							
094027		3	48	48			3							
094021	CAD	1	32		32		2							
094626		2	32	32			2							
094091		2.5	48	32	16			3						
094598	BI M	1.5	48		48			2						
094523		2	32	32				2						
094623		2	32	32					2					
094522		2	32	32					2					
094600		3	48	48					3					
094624		2	32	32					2					
094625		2	32	32					2					
094601	8	2	32	32					2					

							16	16	16	16	16	16	8	
094627		2	32	32						2				
094552		2	32	32						2				
094104		2	32	32							2			
094543		2	32	32							2			
094544		2	32	32								4		
		59	1008	880	128	12	13	15	13	4	4	4		
093252		4	64	64						4				
094602		1.5	48		48					3				
093258		3	48	48							3			
094603		1	32		32						2			
094527		3	48	48							3			
094528		1.5	24	24								3		
094547		2	32	32								4		
		16	296	216	80					7	8	7		
16														

												15	16
094629			2	32	32								4
094632	BI M		1	32		32				2			
094636			2	32	32						2		
094546			2	32	32						2		
094542			2	32	32						2		
093241			2	32	32					2			
094630			2	32	32								4
094631			1	32		32						2	
094633			2	32	32				2				
094634			2	32	32					2			
094548			2	32	32								4
094635			2	32	32					2			
094532			2	32	32						2		
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094557			2	32	32					2			
094554			2	32	32						2		
7													

			1			1							
094346			1	1		1							
094347			1	1		1							
094113			1	1			1						
094351	BI M		1	1			1						
094605			1	1				1					
094637			1	1				1					
094638			2	2					2				
094608			1	1						1			
094609			1	1						1			
094612			1	1							1		
094117			6	12							10	2	
094294			8	12									12
			31	36		3	3	2	2	2	11	14	

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CAD	
BI M	

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Product Design

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A	A1
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C	C1
	C2

D	D1
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E	E1
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A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
						H	L	H	M
						L		H	
						L	L	H	M
						M	L	H	M
						L		H	
( )						M	L	H	M
( )						M	L	H	M
						L			L
( )						M		H	
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( )						M		H	
								H	H
						H		M	L
						H		H	L
				M		M	L	H	H
				M		M	L	H	H
						M		M	M
						H		H	H
								H	H
								H	L
						H		H	H
							L	H	M
							L	H	H
							L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M	L					L		M	L
		M	M	L			M			M	
		M	L				L			M	L
		M	L				L			M	L
		M	M				M			M	
	1	M	M				M			M	
		M	L				L			M	L
	2	L		L		M	M				
		L	M							L	M
			M	M	M	M					
	1		L	M	L	M	L				
	3	L		L		M	M				
			M	L			L				L
		H	M	M	M	L		M	L	M	L
		M				M				L	M
	2		L	M	L	M	L				
	4	L		L		M	M				
		M		M		M				M	M
		M	M	L		M	L	L		M	M
		M		M		M	M			M	M
	3		L	M	L	M	L				
		M	H	M		M				M	L
		M		M		H	M			M	
	1	M		M		H	M			M	
	2	M		M		H	M			M	
		M		M		H	M			M	
		M		M		H	M			M	
		M		M		H	M			M	
		M		M		H				M	
		M	H	M		M				M	L
		M		M		H	M			M	
		M		M						M	L
		M		M						M	
	1	M		M		M				M	L
		M		M		M				M	L
	2	M				M				M	L
		L				M				M	L



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			L					M		L	M
		M		M					M	M	
		M						M			L
		L					L		M		
		M	L				L			M	L
		M	L				L			M	L
		L	M							L	M
		M		M						M	
		M	M		H				M		L
		L	M							L	M
		M		M			L			M	L
				M			L		M		
				M			M				
		L					L		M		
				M		L	M				L
				M		L	M				L
			M		M	M				M	H
			M		M	M				M	M
			M		M	H		M			H
	Rhi no		L	M	L	M	L				
	CAD		L	M	L	M	L				
	Illustrator/cdr		L	M	L	M	L				
		M		M		H	M				
			L					M			M
		M	M	M		M					H
		L		M		M	H				

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			M					M		M	M
				M	M	H		M			M
	1			M	M	H		M			M
	2			M	M	H		M			M
			M	M		H	M	M			
	( )				M	H					
				M	M	H	M				
			M			M		H		M	
	+ " " "	M				M	H	M			
						M	M	M			
			M	L		H	M				
			M	L		H	M				
6											

' H'      ' M'      ' L'

	15		2							2		1
	16		2	2					1			
	16		2						1			1
	16		2		2							1
	16		2				2					2
	16		2			2						1
	8		2								8	2
								12			2	
	103		14	2	2	2	2	12	2	2	10	

	416	272	192	328	456	128	256	56	72	31	
	26	15	12	20.5	28.5	8	16	3.5	4.5	22+6	
	32			30		15		5		18	
				2176			162			92	
	=56.79%										

							15	16	16	16	16	16																		
	000033		3	48	32	16		2+1																						
	000034		3	48	32	16	2+1																							
	000085		4	64	48	16				3+1																				
	170001		1	16	16			1																						
	000012		3	48	32	16			2+1																					
	000109	( )	4	64	32	32	4																							
	000110	( )	4	64	32	32		4																						
	000040		2	32	16	16		2																						
	000112	( )	1	32		32	2																							
	000017	( )	1	32		32		2																						
	000018	( )	1	32		32			2																					
	000019	( )	1	32		32				2																				
	000032		2	32	32						2																			
	000065		2				2																							
	000099		2	32	32					2																				
	000043		2	32	32				2																					
	000102		1	16	16		1																							
	000081		1	16	16								1																	
	000080		1	16	16		1																							
	170002		2	32	32					2																				
			41	688	416	272																								
	000009		1																											
			2																				4							
			2																				2							
			2																		12			2-7						
			4																											

														15
134712		1	16	16		2*8								
134404		3	48	12	36	4*12								
136960		2	32	12	20	4*8								
134575		2	32	12	20	4*8								
136961		2	32	12	20	4*8								
136979	1	2	32	12	20		4*8							
136980		2	32	12	20		4*8							
134797	2	2	32	12	20		4*8							
136981		2	32	32			16*2							
136982		2	32	12	20		4*8							
136983	1	3	48	16	32		16*3							
134827	3	2	32	12	20			4*8						
136984		3	48	16	32			6*8						
136985		2	32	20	12			4*8						
136986		2	32	32				16*2						
136987	2	3	48	16	32			16*3						
134828	4	3	48	12	36				4*12					
136988		2	32	12	20				4*8					
136989		3	48	16	32				4*12					
136990		3	48	16	32				6*8					
136991	3	3	48	16	32				6*8					
		49	784	328	456									



														15				
137000		2	32	20	12													
137001		2	32	12	20													
137002		2	32	20	12													
137003		2	32	12	20													
137004		2	32	12	20													
134910		2	32	12	20													
137005		2	32	32														
137006		2	32	12	20													
137007		2	32	16	16													
137008		2	32	20	12													
137009		2	32	12	20													
137010		2	32	12	20													
137011		2	32	12	20													
134911		2	32	12	20													
137012		2	32	12	20						2	2	4					
137013		2	32	12	20													
137014		2	32	12	20													
134913		2	32	12	20													
134915		2	32	12	20													
134916		2	32	12	20													
137015	Rhi no	2	32	12	20													
137016	CAD	2	32	12	20													
137017	Illustrator/cdr	2	32	12	20													
137018		2	32	12	20													
134909		2	32	20	12													
137019		2	32	12	20													
137020		2	32	12	20													
		8																

137021			1		1						
134841		2	2					2			
137022	1	2	2		2						
137023	2	2	2				2				
137024		2	2						2		
137025	( )	6	10							8	2
134873		8	12								12
		22	31		3	0	2	2	2	8	14

		3	
	" " " +"	3	6

1. 162 41 12  
81 49 24 8  
22 6  
2. 4 2 2



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Ani mati on

130310

, VR

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1 ( )
	D2
E	E1
	E2





		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M						M	M		
		H	H	M							
		M	M	H							M
	Photoshop	M	M	H	M						
					M		M				
			H	M	M						M
		H		H	M					M	
					M					M	
	(3DMax)	M		H			H	M			
		M		H			M	M			
		H			M			M		M	
	I				M		M				
								H	L	H	M
								H	L	H	M
		H		H	M					M	
		H		H	M					M	
		H		H	M					M	
	II				M		M		L		
		H		H	M					M	
		M		H			H	M			
		H		H	M					M	
								H	L	H	M
	III				M		M		L		
		H			M					M	
					M		M		M		
		H		H	M					M	
	DEMO	H		H	M					M	
	I		H	M	M	M					
	Premiere		H	M	M	M					

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	AE		H	M	M	M					
						M		H	L	H	
	II		H	M	M	M					
	Maya	M		H	H			M			
		M		H	H			M			
		M		H	H			M			
		H			M					M	
		H			M			M		M	
		H			M			M		M	
		H			M			M		M	
	I	M		H			H	M			
	3MAX							H	L	H	M
		M		H			M	M			
		M		H			M	M			
						M		H	L	H	
	II		H	M	M	M					
	Maya					M		H	L	H	
						M		H	L	H	
	Premiere	M		H	H			M			
	AE	M		H	H			M			
	M		H	H			M				
III		H	M	M	M						
					M		H	L	H		
				M		M					
				M		M					
Combustion				M		M					
							H	L	H	M	
		M		M		M					
		M		M		M					
		M		M		M					
					M		H		H	H	
		M		M		M					

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
						M		H	L	H	
	VR		H	M	M	M					
			H	M	M	M					
			H	M	M	M					
		M		H	H			M			
						M		H	L	H	
		M			H			M	H		
		M		H	H						
		M			H			M	H		H
								H	M	H	H
		M		H	H						H
		M		H	H						
	" +"	M			H			M	H		H
		M			H			M	H		H

• H

• M

• L

	15		1							2		1
	16		1						1			
	16		1	2					1			1
	16		1				2					1
	16		1		2							2
	16		1									1
	8					2					8	2
								12			2	
	103		6				1	12	2	2	10	8

	416	272	192	238	252	428	320	96	62	29
	26	15	12	14	16	26	20	6	2	22+6
	32.12		18.18		27.88		4.85		16.97	
				2276			165			81
=49.09%										









													15
2													
	Maya	3	48	18	30			6*8					
	(3DMAX)	3	48	18	30			6*8					
		3	48	20	28			6*8					
		2	32	12	20			4*8					
		2	36	36				18*2					
		3	48	12	36				6*8				
		3	48	18	30				6*8				
	I 3MAX	3	48	18	30				6*8				
		3	48	36	12				6*8				
		2	32	32						4*8			
		2	36	36						18*2			
	II Maya	3	48	18	30					6*8			
	VR	3	48	12	36					6*8			
	Premiere	2	32	16	16						4*8		
	AE	3	48	24	24						6*8		
		3	48	18	30						6*8		
	III	3	48	18	30							16*3	
		46	744	362	382								

														15
			2	36	36					18*2				
			3	48	20	24				4*12				
			2	36	36						18*2			
			2	36	36					18*2				
			3	48	20	24				4*12				
	Combusti on		3	51	21	30				4*12				
			2	36	36						18*2			
			3	48	20	24					4*12			
			3	48	20	24					4*12			
			2	36	36						3*12			
			2	36	36						18*2			
			2	36	18	18						18*2		
			3	48	28	20						4*12		
	VR		3	48	12	36						4*12		
			3	48	20	24						4*12		
			3	51	18	33						4*12		
			3	48	18	30						4*12		
			3	48	18	30						4*12		
8														

137087			1		1						
137155		2	2				2				
137156		2	2			2					
137157		2	2					2			
137158		2	2							2	
137092	( )	6	8							8	2
137093		8	12								12
		22	29	0	1	2	2	2	0	10	14

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Di gi tal medi a technol ogy

080906

A	A1
	A2
B	B1
	B2
C	C1



	C2
D	D1
	D2
E	E1
	E2

4

web



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	M					L			
		H	M					M		M	M
	C	H	M	M	M						
	C		M	H	M	M		M			
		H	M								
		H	M								
		H	M	M							
		H	M								
		H	M							M	
		H	M	M					M		M
		H	M								
		H	M	M	M						
		H	M							M	M
		H	M								
		H	M								
	web	H	M	M							
		H		M		M					
		H	M	M							M
			M	H		M	M		M		
		H	M	M							
		H	M	M				M			
		H			M	M					
		H	M								
		H	M				M			M	
		H	M	M			M				
	Web	H	M					M			
	Web	H	M	M		M	M				
			M	M							M

	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M			H	M				
		M	M	M			M		M	
		M	MH	M			M	M		
		M	M	M						
		M	M		M	H	M			
		M	M		H	H				
					H	H	M	H		M
		M		H					M	M
		M	H	M				M		
			H	M		M				
		M	M			M	M	H		M
			H			M	M			
		M	H		M	M				
			M		M			H		
			M				M	H	M	
		M							M	M
				M	M	H		M	M	
UI		M						M	H	
								M		H
		H		M						
			M	M			M			
		H		M		M				
		M			M					
					M				M	M
			M					M		
			M	M		M				
		H						M		
				M			M	L		
								L	M	M
					M			L	M	
APP		H						M		
		H	L			M				
		H						L		
					M			M		
					M				M	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
					H	M			M		
							M		M		M
			M			M					
				M	H						
						L	M	M		M	
					M		M		M		
									H		
	Web					M	M	M	H		M
						M	M	M	H		M
						M	M	M	H		M
			M	M	M	M	M	M	H	M	M
			M	M	M	M	M	M	H	M	
								M	M	H	M
						M	M		H		
	Adobe					M	M		H		
						M	M		H		

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						16	16	16	16	16	16
000033		3	48	32	16	2+1					
000034		3	48	32	16		2+1				
000085		4	64	48	16			3+1			
170001		1	16	16		1					
000012		3	48	32	16			2+1			
000109	( )	4	64	32	32	4					
000110	( )	4	64	32							

															16	16	16
136963			1	16	16		8*										
136969			3	48	48		3										
136970	C		2	32	32		2										
136971	C		1	32		32	2										
136972			3	48	48		3										
136973			2	32	32		2										
136974			2	32	22	10	2										
136975			3	48	35	13		3									
136976			2	32	32			2									
136977			1	32		32		2									
136978			3	48	48			3									
136979			2	32		32		2									
136980			3	48	8	40		3									
136981			3	48	48				3								
136982			3	48	48				3								
136983	web		3	48	39	9			3								
136984			3	48	32	16			3								
136985			3	48	15	33			3								
136986			3	48	14	34			3								
136987			3	48	36	12				3							
136988			3	48	24	24				3							
136989			3	48	48					3							
136990			3	48	38	10				3							



136991		2	32	32					8*4					
136992		1	32		32				8*4					
136993	Véb	2	32	32						2				
136994	Véb	1	32		32					2				
		64	1088	727	361	15	15	18	15	4				
1														
136995		3	48	40	8					3				
136996		2	32		32					2				
136997		2	32	8	24					2				
136998		1	32		32					2				
136999		3	48	12	36						3			
137001		2	32	8	24						2			
137002		1	32	10	22						2			
137003		1	32		32						2			
		15	288	78	210					9	9			
2														
137004		3	48	40	8					3				
137005		2	32		32					2				
137006		2	32	8	24					2				
137007		1	32		32					2				
137008		2	32	18	14						2			
137009		1	32		32						2			
137010		3	48	12	36						3			
137011		1	32		32						2			
		15	288	78	210					9	9			

137012			1.5	32	16	16					2		
137013			1.5	32	16	16					2		
137014	UI		1	32		32					2		
137015			1	32		32					2		
137016			1.5	32	16	16					2		
137017			1	32		32					2		
137018			1	32	32						2		
137019			1.5	32	16	16					2		
137020			1.5	32	16	16					2		
137021			1	32		32					2		
137022			1.5	32	16	16					2		
137023			1	32		32					2		
137024			1	32		32					2		
137025			1.5	32	16	16					2		
137026			1.5	32	16	16					2		
137027	APP		1	32		32					2		
137028			1.5	32	16	16					2		
137029			1	32		32						3	
137030			1	32		32						3	
137031			1.5	32	16	16						3	
137032			1	32		32						3	
137033			1	32		32						3	
137034			1	32		32						3	
137035			1	32		32						3	
137036			1.5	32	16	16						3	
137037			1	32		32						3	
			8	192									
8													

137038					1						
137039		2					1				
137040	Web	1						1			
137041		1							1		
137042		1								1	
137043	( )	6	10							8	2
137044		8	12								12
		19	22	0	1	0	1	1	1	9	14

	3	
		6
Adobe	3	

1. 164 40 12  
87 64 15 8  
19 6  
2 4 2

2  
3. " 12 2-7  
" " "  
15  
4. 8  
5. 6  
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Communication

050304

A	A1 A2
B	B1 B2
C	C1 C2

D	D1 D2
E	E1 E2

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2

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
	( )							M	L	H	M	
	( )							M	L	H	M	
								L			L	
	( )							M		H		
	( )							M		H		
	( )							M		H		
	( )							M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
											H	H
										H	L	
								H		H	H	
									L	H	M	
									L	H	H	
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									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	M							H	
		H				M				H	
		H				M				H	
		M	H	H	H						M
		M	H	H	H						
		M	H	H	H						
		M	H	H	H						
		H				H			M		
		H								H	M
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		H								H	M
		H		M						H	
		M	H	H	H						
		H							M	H	
		H								H	
		M	H	H	H				M		
		H				M				H	M
		H							M	H	
		M	H	H	H						
		M	H	H	H						
		M	H	H	H						
		H					H			M	
		M	H	H	H		M				
		M	H	H	H		M				
		H			H						
		H					M			H	
		M	H	H	H				M		
		M	H	H	H				M		
		M	H	H	H				M		
		H						H	M		
		M	H	H					M		



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M	H	H							
		H		H					M		
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		M		H		H					
		M		H		H					
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				H				H			M
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			H	H	M						
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' L'

	16		2					2		1
	16		2				1			
	16		2	1			1			1
	16		2							1
	16		2	1	1					2
	16		2		1					1
	8-10		2			8			8	2
						4			2	
	104- -106		14	2	2	12	2	2	8-10	8

	416	272	192	828	280	165	75	72	56	27
	26	15	12	51	9	10	5	5	3	18+6
	33.12		37.5		9.38		5			15
				2356			160			56
=35.00%										

							16	16	16	16	16	16	8			
000033		3	48	32	16		2+1									
000034		3	48	32	16	2+1										
000085		4	64	48	16				3+1							
170001		1	16	16			1									
000012		3	48	32	16			2+1								
000109	( )	4	64	32	32	4										
000110	( )	4	64	32	32		4									
000040		2	32	16	16		2									
000112	( )	1	32		32	2										
000113	( )	1	32		32		2									
000114	( )	1	32		32			2								
000115	( )	1	32		32				2							
000032		2	32	32						2						
000065		2				2										
000099		2	32	32					2							
008874		2	32	32				2								
000102		1	16	16		1										
000081		1	16	16	0							1				
000080		1	16	16		1										
000053		2	32	32			2									
		41	688	416	272	13	12	9	8	2	1					
000007		1														
		2														
		2														
		2														
		4														

014546		1	16	16		2								
014234		3	48	48			3							
014085		3	48	48		3								
014280		4	64	50	14		4							
014654		3	48	36	12						3			
014236		3	48	34	14				3					
014161		3	48	48				3						
014632		3	48	36	12					3				
014508		2	32	32							2			
014009		3	48	48		3								
014612		3	48	48		3								
014501		3	48	48				3						
014327		2	32	32				2						
014511		3	48	36	12		3							
014264		2	32	32						2				
014190		3	48	48					3					
014328		2	64	32	32			4						
014079		2	32	32					2					
014417		2	32	32						2				
014651		2	64	16	48	4								
014512		2	64	16	48		4							
014524		2	64	16	48			4						
014601		2	64	16	48				4					
014443		2	32	28	4		2							
		60	110	828	280	1	1	1	1	7	5			

1															
014294		3	48	33	15						3				
014428		3	48	33	15						3				
014535		3	48	33	15							3			
014536		3	48	33	15							3			
014652		3	48	33	15							3			
2															
014537		3	48	33	15						3				
014633		3	48	33	15						3				
014634		3	48	33	15							3			
014636		3	48	33	15							3			
014653		3	48	33	15							3			
		15													

014550

2 32 18 14

16 16 16 16 16 16 8

DT2013		1-8	2	
DZ2013		1-8	3	
DZ2013		1-8		
DZ2013		1-8		
DT2013		1-8	1	

1. 160 41 12  
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Chi nese Language & Li terature  
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A	A1
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D	D1
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E	E1
	E2
C	C1
	C2







		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
		H				M				H		
		H				M				H		
		H				M				H	H	
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				H	H			H		H	H	

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	15	1	2					2		1
	18		2				1			
	18		2	1	1		1			1
	18		2		1					1
	18		2	1	1					2
	18		2		1					1
	4		2			14				2
									10	
	109	1	14	2	4	14	2	2	10	8

2.

	384	272	192	942	168	126	162	144		31	
	24	15	12	52	9	7	9	8		18+6	
	31. 875			38. 125			10		5		15
				2390				160			57
35. 62%											

	384	272	192	944	168	126	162	144		31	
	24	15	12	52	9	7	9	8		18+6	
	31. 875			38. 125			10		5		15
				2392				160			57
35. 62%											

							16	16	16	16	16	16									
000033		3	48	32	16		2+1														
000034		3	48	32	16	2+1															
000085		4	64	48	16				3+1												
170001		1	16	16	0		1														
000012		3	48	32	16			2+1													
000109	( )	4	64	32	32	4															
000110	( )	4	64	32	32		4														
000040		2	32	16	16		2														
000112	( )	1	32	0	32	2															
000113	( )	1	32	0	32		2														
000114	( )	1	32	0	32			2													
000115	( )	1	32	0	32				2												
000032		2	32	32	0					2											
000065		2	0	0	0	2															
008874		2	32	32	0			2													
000102		1	16	16	0	1															
000081		1	16	16	0						1										
000080		1	16	16	0	1															
000053		2	32	32	0	2															
		39	656	384	272																
000007		1										2									
000889		2																			
		2																			
		2											12								
		4											2-7								

															16	18	18
014500			1	16	16	0	1										
000020			3	54	54	0				3							
000021			3	54	54	0					3						
014316			2	32	22	10	2										
014046- 47			2	68	0	68	2	2									
000024			2	36	0	36					2						
014103- 05			8	140	134	6	2	3	3								
014107- 10			8	144	136	8			2	2	2	2					
014528- 29			4	72	68	4			2	2							
014006- 07			6	102	98	4	3	3									
014526- 27			4	72	68	4		2	2								
014010			2	36	34	2				2							
014213- 14			4	68	58	10	2	2									
014527			3	54	44	10			3								
014323			3	54	52	2				3							
014009			2	36	34	2					2						
014330			3	54	52	2					3						
014335			1	18	18	0					1						
			61	1110	942	168	12	12	1 2	1 2	1 3	2					
014500			1	16	16	0	1										
014103- 04			6	102	98	4	3	3									
014107- 10			8	144	136	8			2	2	2	2					
014528			4	72	68	4			2	2							
014006- 07			6	102	98	4	3	3									
014526- 27			4	72	68	4		2	2								
014010			2	36	34	2				2							
014213- 14			4	68	58	10	2	2									



014018		3	54	44	10					3				
014465		3	54	52	2			3						
014009		2	36	34	2				2					
014494		2	36	34	2					2				
014443		2	36	34	2			2						
014325		2	36	34	2				2					
014530		2	36	34	2					2				
014024		3	54	32	22					3				
014540		2	36	26	10					2				
014046- 47		2	68	0	68	2	2							
014020		2	36	26	10				2					
014335		1	18	18	0						1			
		61	1112	944	168	11	12	11	12	12	3			
1														
014337		2	36	36	0					2				
014331		2	36	36	0						2			
014407		2	36	0	36						2			
014332		2	36	0	36						2			
014334		2	36	0	36					2				
014333		2	36	18	18						2			
014336		2	36	0	36					2				
014338		2	36	36	0							2		
		16	288	126	162									
2														
014320		2	36	24	12					2				
014026		2	36	24	12						2			
014027		2	36	30	6						2			
014239		2	36	0	36							2		
014092		2	36	0	36					2				
014342		2	36	0	36					2				
014280		2	36	24	12						2			
014329		2	36	24	12						2			
		16	288	126	162									
		16	16											
" "														



			1	1								
014038		2	4			1	1	1	1			
014496		2	2				1		1			
000038	( )	6	10							8	2	
000037	( )	8	14	1-4				5			14	
		18	31	0	1	1	2	1	2	22	2	

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1. 160 39 12  
 85 61 16  
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Techniques of Broadcasting & Anchoring

130309

A	A1
	A2
B	B1
	B2

C

C1

C2

D1

D

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H							M	M	
		H						M		M	
		H						M		M	
		H	H	H	H						
			H		H						
			H		H						
		H	H	H	H						
		H			M					M	
		H	H	H	H	M			H		
		H	H	H	H				H		
		H	H	H	H						
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		H	H	H	H						
		H		H					H		
		H		H					H		
		H	H	H	H				M		
		H	H	H	H				M		
		H		H					H		
		H		H					M		
		H	H	H	H		H				
		H	H	H	H				H		
		H	H	H	H						
		H									
		H	H	H	H		H		H		
				H					M		
		H		H							
		H	H	H	H		H				
		H		H					H		
				H	H						
				H	H						

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			H	H		H			H		
			H	H		H			H		
			H	H		H			H		
			H			H					
				H	H						
				H	H	H			H		

' H'                      ' M'                      ' L'



	16		2							2		1
	16		2	1					1			
	16		2				1		1			1
	16		2		1							1
	16		2				1					2
	16		2			1						1
	8-10		2								8	2
								12			2	
	103 --105		14	1	1	1	2	12	2	2	10	

	416	272	192	574	400	120	120	128	0		28
	26	15	12	36	25	7.5	7.5	8	0		19+6
	32.72%		37.65%		9.26%		4.94%				15.43%
				2222			162				72.5
	=44.75%										

						15	16	16	16	16	16
000034		3	48	32	16		2+1				
000033		3	48	32	16	2+1					
000012		4	64	48	16				3+1		
170001		1	16	16	0		1				
000085		3	48	32	16			2+1			
000008	( )	4	64	32	32	4					
000009	( )	4	64	32	32		4				
000040		2	32	16	16		2				
000016	( )	1	32	0	32	2					
000017	( )	1	32	0	32		2				
000018	( )	1	32	0	32			2			
000019	( )	1	32	0	32				2		
000032		2	32	32	0					2	
000065		2				2					
000099		2	32	32	0				2		
008874		2	32	32	0			2			
000102		1	16	16	0	1					
000081		1	16	16	0						1
000080		1	16	16	0	1					
000053		2	32	32	0		2				
		41	720	416	304						
000007		1									
							4				
								2			

						15 16 16 16 16 16 16 8	
014556		1	16	16	1		
014085		2	32	32	2		
014234		3	48	48	3		
014287		2	32	32	2		
014655		2	32	32	2		
014557		2	32	16	16	2	
014578		4	64	32	32	2	2
01013		2	32	32	2		
014010		2	32	16	16	2	
014324		2	32	16	16	2	
014656		5	80	32	48	5	
014657		5	80	32	48	5	
014512		2	32	16	16	2	
014524		2	32	16	16	2	
014658		3	48	18	30	3	
01465		3	48	18	30	3	
014329		3	48	28	20	3	
014330		2	32	16	16	2	
014331		4	64	32	32	2	2
014097		2	32	16	16	2	
014332		4	64	32	32	2	2
014574		2	30	30	2		
014336		2	32	16	16	2	
		61	974	574	400		

							15	16	16	16	16	16	16	8
1														
014567		3	48	24	24						3			
014568		3	48	24	24				3					
014595		2	32	16	16					2				
014660		3	48	24	24				3					
014557		2	32	16	16			2						
014559		2	32	16	16					2				
2														
014596		2	32	16	16				2					
014597		3	48	24	24					3				
014661		2	32	16	16						2			
014598		2	32	16	16					2				
014561		3	48	24	24						2			
014662		3	48	24	24				3					
		15												

												15	16
	014009		2	32	32					2			
	014553		2	32	32						2		
	014525		2	32	32							2	
	014599		2	32	32					2			
	014453		2	32	32						2		
	014580		2	32	32							2	
	014443		2	32	32					2			
	014663		2	32	32						2		
	014663		2	32	32				2				
	014464		2	32	32							2	
			8	8									

			1		1								
014038		2	2			1		1					
014665		1	1		1								
014666		1	1				1						
014667		1	1						1				
000038	( )	6	10							8		2	
000037		8	12										12
		19	28	0	2	1	1	1	1	8		14	

	1	
	3	
	1	

1.                    162                    41                    12  
 84                                    61                    15  
 8                    19                    6  
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 12                    2-7  
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 5    6  
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Business English

050262

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2





		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
		( )						M	L	H	M	
		( )						M	L	H	M	
								L			L	
		( )						M		H		
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		( )						M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
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											H	H
											H	L
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H			H	L					
	1	H	M	H		M					
	2	H	M	H		M					
	3	H	M	H		M					
	4	H	M	H		H					
	1	M	M	H		M					
	2	M	M	H		M					
	3	M	M	H		H					
	4	M	M	H		H					
	1	M	M	H							
	2	M	M	H							
	3	M	M	H							
	4	M	M	H							
	1	M	M	H		M					
	2	M	M	H		M					
		M	L	H							
		M				M				H	
		M			H		M				
	1	M			H	M	M	H			
	2	M			H	M	H	H			
		H		M					M		
	1	M		H		M		H			
	2	M		H		M		H			
	1	M		H		M		M			
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	1	M		H			H				
	2	M		H			H				
		M		H							

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M				M		M	M		
		M				M			M		
		M				M					
		M		H		M		M			
		L	L						M		
		L	L						M		
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		H								H	L
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		M		H							
		M	M	H							
		M						M		M	
		M		H				M			
		M		H	M						
				M					M		
			M	M		M					
		M	M								
	M		H	M			M				

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	H	H							
		H	H	H							
		H	H	H							
		H	H	H							
		H	H	H							
		H	H	H	H						
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		M		H		M					
		H		H							
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	16	1	2								2		1
	16		2							1			
	16		2	1						1			1
	16		2		1								1
	16		2			1							2
	16		2				1						1
	8		2					1				8	2
		1							12			2	
	103	2	14	1	1	1	1	1	12	2	2	10	

	352	208	192	714	424	160	64	112	96	25	
	22	11	12	45	24	10	3	7	6	25	
	27.3%		41.8%			7.9%		7.9%		15.1%	
				2322			165			69	
	=41.82%										

							15	16	16	16	16	16					
	000033		3	48	32	16		2+1									
	000034		3	48	32	16	2+1										
	000085		4	64	48	16				3+1							
	170001		1	16	16			1									
	000012		3	48	32	16			2+1								
	000040		2	32	16	16		2									
	000016	( )	1	32		32	2										
	000017	( )	1	32		32		2									
	000018	( )	1	32		32			2								
	000019	( )	1	32		32				2							
	000032		2	32	32						2						
	000065		2				2										
	000042		2	32	32					2							
	000097		2	32	32				2								
	000102		1	16	16		1										
	000081		1	16	16									1			
	000080		1	16	16		1										
	000053		2	32	32			2									
			33	560	352	208	7	8	7	8	2	1					
			1														
			2	4													
			2	2													
			2	12	2-7												
			4	2													

														15
044365		1	16	16	0	2								
044393	1	4	60	34	16	4								
044394	2	4	64	48	16		4							
044395	3	4	64	48	16			4						
044396	4	4	64	48	16				4					
044295	1	2	30	15	15	2								
044296	2	2	32	16	16		2							
044347	3	2	32	16	16			2						
044387	4	2	32	16	16				2					
044289	1	2	30	15	15	2								
044290	2	2	32	16	16		2							
044343	3	2	32	16	16			2						
044344	4	2	32	16	16				2					
044374	1	2	32	16	16					2				
044375	2	2	32	16	16						2			
044169		1	30	0	30	2								
044004		2	32	32	0					2				
044377		2	32	16	16			2						
044397	1	2	32	16	16				2					
044398	2	2	32	16	16					2				
044399		2	32	32	0					2				
044400	1	2	32	32	0				2					
044401	2	1	32	0	32					2				
044210	1	2	32	16	16					2				
044351	2	2	32	16	16						2			
044259		3	48	24	24								6	





044300	*		2	32	32	0					2			
044178			2	32	32	0					2			
044376			2	32	32	0					2			
044353	*	( )	2	32	32	0						2		
044298	*		2	32	16	16						2		
044027			2	32	32	0						2		
044256			2	32	16	16						2		
044368			2	32	16	16						2		
044403			2	32	16	16						2		
044404	*		2	32	16	16							4	
044194			1	16	0	16							2	
044371			1	16	0	16							2	
044150			2	32	16	16							4	
044325			2	32	32	0							4	
			13	208	112	96					4	6	8	
13			*											
			140	2326	1528	788	19	18	19	24	24	19	22	

					1						
044316		1	1			1					
044263		1	1				1				
044405		1	1					1			
044406		1	1						1		
044407		1	1							1	
044203		6	8							6	2
044390		8	12								12
		19	25		1	2	1	1	1	7	14

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D	D1
	D2
E	E1
	E2

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	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
							H	L	H	M
							L		H	
							L	L	H	M
							M	L	H	M
							L		H	
( )							M	L	H	M
( )							M	L	H	M
							L			L
( )							M		H	
( )							M		H	
( )							M		H	
									H	H
							H		M	L
							H		H	L
					M		M	L	H	H
					M		M	L	H	H
							M		M	M
							H		H	H
									H	H
									H	L
							H		H	H
								L	H	M
								L	H	H
								L	H	M

	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	H			H					L	
1	H		H				M			
2	H		H				M			
3	H		H				M			
4	H		H				H			
	M		H				L			
1	M		H				L			
2	M		H				M			
1	M		H				H			
2	M		H				H			
1	M		H				L			
2	M		H				L			
1	M		H				M			
2	M		H				M			
1	M		H		L					
2	M		H		L					
3	M		H		L					
4	M		H		L					
	M			H	M					
	M			H	M					
1	H		H		M					
2	H		H		M					
1	M		H		L					
2	M		H		L					
	M		M						H	
1		L				M	H			
2		L				M	H			
3		L				M	H			

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
				H		M		M			
				H		M		M			
		M		H		L					
			L	H						M	
				M		M			H		
		M				M		H			
		H		H			M				
		M			H	L					
		M		H		M					
	( )	M		H						M	
				H	M			M			
		H		M					L		
		H		M		L					
					M	M		H			
				H		M		M			
		H		H				M			
	3			L				H		M	
				M				H		M	
			M	M				H			
			H				M	H			
			M	H				M			
						M		M		H	
					H		M		M		
		M		H					M		
	(2 )				M					H	M
				H	M	M					
		H		H		M					
				H	M	M					
		H		H	M						
	( )			M	M	H					
	( )			H	M		M				
					M			H		M	
		M		H		M					
		H		M	L						
					M	M	H				

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	16		2						2			1
	18		2					1				
	18		2					1				1
	18		2	1								1
	18		2		1		1					2
	18		2			1	1					1
	6		2					12				2
											12	
	103 -- 105							2	2		12	

	320	208	192	1056	156	210	126	108	54	28	
	22	11	12	59	10	10.5	6.5	6	3	19+6	
	27.3%			41.8%			10.3%		5.45%		15.1%
				2430				165			55.5
	-33.63% 25%										





	044363		1	16	16		1								
	044101	1	6	96	96		6								
	044102	2	6	108	108			6							
	044103	3	4	72	72				4						
	044104	4	4	72	72					4					
	044169		2	32	16	16	2								
	044012	1	2	32	16	16	2								
	044013	2	2	36	18	18		2							
	044112	1	2	32	16	16	2								
	044113	2	2	36	18	18		2							
	044025	1	2	36	18	18			2						
	044026	2	2	36	18	18				2					
	044120		3	54	54			3							
	044116	1	2	32	32		2								
	044117	2	2	36	36			2							
	044118	3	2	36	36				2						
	044119	4	2	36	36					2					
	044348		2	36	18	18			2						
	044349		2	36	18	18				2					
	044030	1	4	72	72						4				
	044195	2	4	72	72							4			
	044264		2	36	36					2					
	044028	1	2	36	36						2				
	044127	2	2	36	36							2			
	044005	1	2	36	36					2					
	044006	2	2	36	36						2				
	044007	3	1	18	18								2		
			69	1212	105	15	17	14	10	12	8	2	2		
	69														

	000020		3	54	36	18				3				
	000021		3	54	36	18					3			
	044181		1	30	30		2							
	000023		1	36		36			2					
	000024		2	36	18	18				2				
	044004		2	36	36				2					
	044380		2	36	18	18					2			
	044182		1	18	9	9						1		
	044175		2	36	18	18						2		
			17	336	210	126	2	0	4	5	5	3		
	044308	( ) *	2	36	36						2			
	044385	*	2	36	18	18				2				
	044151		2	36	36				2					
	044020		2	36	36						2			
	044408		1	18	18							1		
	044386		2	36	18	18						2		
	044338		1	18	9	9						1		
	044404		2	36	18	18			2					
	044139		2	36	36					2				
	044409		2	36	36							2		
	044227		2	36	18	18			2					
	044234		2	36	18	18					2			
	044150		2	36	18	18								
	044184		2	36	18	18								
			9	162	108	54			4	2	4	2	2	
			8			*								

			1		1						
044257		2									
044410		1	1		1						
044411		1	1					1			
044412		1	1						1		
044203		6	12	7							
044390	( )	8	12	12							
		19	28	25	22	24	27	19	8	2	

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Instruction and Management of Social Sport  
040203

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			M		H	M					M
		M	H							M	M
		H		M		M		M			
			H		M	M		M			
		M	H		M					M	
		H	M		M			M			M
		H	M	M					M		
		H	M			M			M		
		H				M	H			M	
		M	H			M			M		
		M	H			M	H				
		M	M					M	M		
		M	M	M		M					
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
	( )	M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M		H	M			M			
		M	H			M			H		
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M				M		H	M		
			H				M	M			M
		M	H	H					M		
		M	H						M		H
		M	H			M					H
		H	H	H	H			M		M	
		M	H							M	M
		H				M		H		M	
		H	M					M		M	
		H		M	M			M			
		M		H	H					M	
		M			M	H	H				
						H	H			M	M
		M	M	H	H						
			M			H	H				M
						H			M		M
		M	M	H	H						
			M	H	H					M	
			M			H	H				M
		M						H	M		M

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	16		2							2		1
	18		2						1			
	18		2						1			1
	18		2	1								1
	18		2		1		1					2
	18		2									1
	6		2			1		8			8	2
	0							10			2	
	112		14	1	1	1	1	18	2	2	8	

	416	144	192	418	518	144	144	216	216	30	
	26	11	12	23	29	8	8	12	12	24(18+6)	
	29.7			31.6			9.7		14.5		14.5
				2408				165			84
=84/165=50.91%											

							16	18	18	18	18	18	6
000033		3	48	32	16		2+1						
000034		3	48	32	16	2+1							
000085		4	64	48	16				3+1				
170001		1	16	16			1						
000012		3	48	32	16			2+1					
000008	( )	4	64	32	32	4							
000009	( )	4	64	32	32		4						
000040		2	32	16	16		2						
000032		2	32	32						2			
000065		2	0	0		2							
000031		2	32	32						2			
008874		2	32	32				2					
000102		1	16	16		1							
000081		1	16	16							1		
000080		1	16	16		1							
000053		2	32	32			2						
		37	560	416	144	9	10	7	4	2	3		
		1											
		2											
		2											
		2											
		4											
								4					2
								2					
						12			2-7				

114266		1	18	18		2							
114401		1	18	18		2							
114403		2	36	28	8				2				
114272		1	18	14	4						1		
114402		1	18	18		2							
114264		2	36	36				2					
114016		3	54	46	8	4							
114003		4	72	56	16		4						
114019		2	36	28	8					2			
114109		2	36	28	8						2		
114108		2	36	18	18					2			
114263		2	36	28	8		2						
114111		2	36	28	8			2					
114208 - 11420		4	72	8	64	2	2						
114115		2	36	4	32	2							
114216		2	36	4	32			2					
114217		4	72	8	64		4						
114252		2	36	4	32	2							
114020		2	36	4	32		2						
114057		2	36	4	32			2					
114162		2	36	4	32	2							
114021		2	36	4	32			2					
114221		3	54	6	48			3					
114218		2	36	4	32		2						
		52	936	418	518	18	16	13	2	4	3		

								16	18	18	18	18	18	6
1														
114365		2	36						2					
114366		2	36								2			
114377		2	36							2				
114378		2	36							2				
114433		2	36									2		
114435		2	36									2		
114436		2	36								2			
114114		2	36						2					
114344		2	36						2					
114336		2	36							2				
114161		2	36							2				
114344		2	36						2					
114404		2	36									2		
114164		2	36	36					2					
2														
114283		2	36						2					
114284		2	36									2		
114017		2	36								2			
114285		2	36								2			
114274		2	36								2			
114287		2	36									2		
114432		2	36							2				
114451		2	36						2					
114280		2	36								2			
114270		2	36							2				
3														
114445		2	36						2					
114015		2	36								2			
114281		2	36							2				
114279		2	36						2					
114355		2	36									2		
114366		2	36								2			
114296		2	36									2		
114291		2	36									2		
114345		2	36								2			
114346		2	36								2			
(		16	28				0	0	0	4	6	4	2	0

															16	18	18	18	18	18	6	0
	000020		2	36																		
	000021		2	36																		
	000022		2	36																		
	114004		2	36																		
	114337		2	36																		
	114163		2	36																		
	114288		2	36																		
	114298		2	36																		
	114245		2	36																		
	114291		2	36																		
	114331		2	36																		
	114333		2	36																		
	114334		2	36																		
	114205		2	36																		
	114164		2	36																		
	114335		2	36																		
	114336		2	36																		
	114411		2	36																		
	114338		2	36																		
	114452		2	36																		
	114453		2	36																		
	114454		2	36																		
	114455		2	36																		
			10	180																		
	10																					

								16	18	18	18	18	18	6	0
	114033- 114036		14	252	28	224		-	-	-	4	4	4	6	-
	114049- 114052		14	252	28	224		-	-	-	4	4	4	6	-
	114049- 114052		14	252	28	224		-	-	-	4	4	4	6	-
	114057- 114060		14	252	28	224		-	-	-	4	4	4	6	-
	114320- 110323		14	252	28	224		-	-	-	4	4	4	6	-
	114061- 114064		14	252	28	224		-	-	-	4	4	4	6	-
	114026- 114029		14	252	28	224		-	-	-	4	4	4	6	-
	114161- 114164		14	252	28	224		-	-	-	4	4	4	6	-
	114277- 114280		14	252	28	224		-	-	-	4	4	4	6	-
	114030- 114033		14	252	28	224		-	-	-	4	4	4	6	-
	114054- 114056		14	252	28	224		-	-	-	4	4	4	6	-
	114041- 114044		14	252	28	224		-	-	-	4	4	4	6	-
	114037- 114040		14	252	28	224		-	-	-	4	4	4	6	-
	114324- 114327		14	252	28	224		-	-	-	4	4	4	6	-
			14	252	28	224		-	-	-	4	4	4	6	-

					1						
114224		1	1					1			
114405		1	1						1		
114406		1	1							1	
114407		1	1								
000038	( )	6	8							6	2
114408		8	16							8	8
		18	28						1		

1. 2. 3. 4.	12	1-4
1. 2. 3. 4. 5. 6.	+	4
1. 2. 3.		
1. 2. 3. 4.		
		6-10



1.	165	37	12
92		52	16
24	18	6	
2	4		2 2
12	2-7		
3.			
			16
4.		24	10
	14		
5.			6
	4		

Physical Education

040201

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
			M	H		M					M
		H				M		H		M	
		M	H							M	M
			M	M		M			M		
		H	M					M		M	
		H	M					M		M	
		M	H			M	H				
		H				M		H		M	
		H		M	M			M			
		M		M				M			M
		M	H		M					M	
		H	M					M			M
		M	H			M			M		
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			
		M		H	M			M			

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	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
	M		H	M			M			
	M		H	M			M			
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	M		H	M			M			
	M		H	M			M			
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	M		H	M			M			
	M		H	M			M			
	M		H	M			M			
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	M			M			M			M
	H	M			M				M	
			M		M			M		M
		H		M	M		M			
		M	M					M		M
		M			M		M		M	
	M			M		M			M	
		M				M		M	M	
	M	H	H				M			

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H			M				M		
		H		M				M		M	
		H		M		M				M	
		H			M			M		M	
		H		M		H	M				
		H	M				M			M	
				M			M		M	M	
			M			H		M	M		
				M		H		M	M		
				M			M		M		M
			M	H	H				M		
			M	H	H				M		
		M	H	H				M			
		H	H	H	H			M		M	
		M		H	H					M	
			M			H	H				M
						M	M			M	M
		M	M	H	H						
	( )	M			M	H	H				
						H		M		H	
		M	M	H	H						
			M	H	H					M	
		M				H	H			M	
		M						H	M		M

	16	2	2							2		
	18		2						1			
	18		2						1			
	18		2	1								1
	18		2		1		1					1
	18		2									1
	6		2			1		12				1
								6			8+2	
	112	2	14				1	18	2	2	10	4

	416	144	192	512	612	144	144	28	224	20	
	26	11	12	28	34	8	8	2	13	24	
	29.7			37.6			9.7		8.4		14.6
				2416			165			87	
= 87.5/165 =52.73%											



						16	18	18	18	18	18	6
000033		3	48	32	16		2+1					
000034		3	48	32	16	2+1						
000085		4	64	48	16				3+1			
170001		1	16	16			1					
000012		3	48	32	16		2+1					
000008	( )	4	64	32	32	4						
000009	( )	4	64	32	32		4					
000040		2	32	16	16		2					
000032		2	32	32						2		
000065		2				2						
000031		2	32	32					2			
008874		2	32	32				2				
000102		1	16	16		1						
000081		1	16	16							1	
000080		1	16	16		1						
000053		2	32	32			2					
		37	560	416	144	9	10	5	6	2	1	
		1										

114331			1	18	18		2							
000020			2	36	36				2					
000021			2	36	36					2				
000022			2	36	36				2					
000023			2	36		36					2			
000024			2	36		36						2		
			11	198	12 6	72	2	-	4	2	2	2	-	-
114004			2	36	36						2			
040102			1	18	18							1		
114008			1	18	18						1			
114016			3	54	46	8	4							
114003			4	72	56	16		4						
114108			2	36	36						2			
114019			2	36	28	8							6	
114402			1	18	18		2							
09040203			2	36	36					2				
114018			2	36	28	8				2				
			20	360	320	40	6	4		4	5	1	6	
114208-114209			5	94	12	82	3	2						
114212-114213			5	94	12	82	3	2						
114021			2	36	4	32			2					
114115-114116			4	72	8	64	2	2						
114216			4	72	8	64		4						
114217			4	72	8	64			4					
114218			4	72	8	64		2	2					
114221			3	54	6	48			3					
			31	566	66	500	8	12	11					
			62	1124	512	612	16	16	15	6	7	3	6	-

				16	18	18	18	18	18	6			
1													
114163		2	36										
114057		2	36										
114200		2	36										
114161		2	36										
114202		2	36										
114058		2	36										
114301		2	36										
114404		2	36										
114308		2	36										
114059		2	36										
114001		2	36										
114060		2	36										
2													
114164		2	36										
114111		2	36										
114107		2	36										
114017		2	36										
114067		2	36										
114066		2	36										
114070		2	36										
114188		2	36										
114065		2	36										
114409		2	36										
114295		2	36										
114064		2	36										
114112		2	36										
114410		2	36										
114411		2	36										
		16				-	-	4	6	6	-	-	-
		16											

114022-114025		14	252	28	224				4	4	4	6	
114041-114044		14	252	28	224				4	4	4	6	
114026-114029		14	252	28	224				4	4	4	6	
114030-004032		14	252	28	224				4	4	4	6	
114033-114036		14	252	28	224				4	4	4	6	
114037-114040		14	252	28	224				4	4	4	6	
114049-114052		14	252	28	224				4	4	4	6	
114311-114314		14	252	28	224				4	4	4	6	
114045-114048		14	252	28	224				4	4	4	6	
		14											

			1		1							
114224		1	1					1				
114405		1	1					1				
114406		1	1							1		
114407		1	1				1					
000038	( )	6	8							6	2	
114408		8	18							12	6	
		18	31									
		159		22	26	24	22	19	8	4	0	

1. 2. 3. 4.	12	1-4
1 + 2 3 4 5		6-10
1. 2. 3.	4	
1. 2. 3. 4.		

1. 165 37 12  
 92 62 16 14  
 18 6  
 2. 4 2 2  
 12 2-7  
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Preschool Education

040106

A	A1
	A2
B	B1
	B2
C	C1
	C2
D	D1
	D2
E	E1
	E2



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
								L		H		
								L	L	H	M	
								M	L	H	M	
								L		H		
	( )							M	L	H	M	
	( )							M	L	H	M	
								L			L	
	( )							M		H		
	( )							M		H		
	( )							M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
									H		H	H
										H	H	
										H	L	
								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	



	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		M		M					M	M
	H		M					M	M	
( )			H				M		M	M
	H		H						M	
	M		H						M	
( )	M		H						M	
( )	M		H						M	
	H	M			M			M		
	H	M			M				M	
	H		H		M		M			
	H		H						M	
( )	M		H						M	
( )	M		H						M	
	H			M	M	M				
	H		H		M	M				
	H		H		M	M				
( )	M		H						M	
( )	M		H						M	
	H		H		M					
	M						M		H	
	H		H		M	M				

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H		H		M	M				
		H		H		M	M				
	( )	M		H						M	
		M		H	M				M		
		H		H							
		H		H		M			M		
		M						M		H	M
		H		H		M		H			
	( )	M		H						M	
			H		M	H	H				
		H		H				H		M	
		M		H						M	
		M		H						M	
		M		H						M	
		M		H						M	
		H		M			H				
		H		M				M			
					H			M	H		
	( ):			H			M	M	M		
	( ):	H		H			M	H	H		
	( ):		H		H	H					
	( )	H	H	H	M	H	M	H	M	H	M
		H		H	H			H	H		H
		H			M		M	M	H		
		H		H			M	M	M		
		H	H	H		H	M	M	M		
		H	H	H		H	H		H		
										H	L

	15		2					2		1
	18		2		1		1			
	18		2		1		1			1
	18		2		1					1
	18		2		1					2
	18		2							1
	8		2			12			8	2
	0			1					2	
	113		14	1	4	12	2	2	10	

	416	272	$(12 \cdot 16) = 192$	771	738	0	0	66	132	29
	26	15	12	43.5	22.5	0	0	4	4	$21 + 6 = 27$ ( )
	34.41% 53/154		42.86% (66/154)		0		5.19% 8/154		17.53% (27/154)	
				2587				154		
44.48% (68.5/154)										

16 16 16 16 16 16

000033		3	48	32	16		2+1											
000034		3	48	32	16		2+1											
000085		4	64	48	16					3+1								
170001		1	16	16						1								
000012		3	48	32	16					2+1								
000044	( )	4	64	32	32		4											
000045	( )	4	64	32	32					4								
000040		2	32	16	16					2								
000112	( )	1	32		32		2											
000113	( )	1	32		32					2								
000114	( )	1	32		32					2								
000115	( )	1	32		32							2						
000032		2	32	32										2				
000065		2					2											
000099		2	32	32								2						
000097		2	32	32						2								
000102		1	16	16						1								
000081		1	16	16														1
000080		1	16	16						1								
000053		2	32	32							2							
		41	688	416	272	11	12	7	8	2	1	0	0					
		1																

					16	18	18	$\frac{1}{8}$	18	18	8
124663		1	15	15	1						
123312		3	54	54	3						
123013	( )	1	36		36	2					
123332		1	36		36	2					
124119		1	36		36	2					
126174	( )	1	36		36	2					
103035	( )	1	36		36	2					
123311		4	72	72			4				
123390		1	18	18							
123014	( )	1	36		36	2					
123391		1	36		36	2					
124120		1	36		36	2					
126191	( )	1	36		36	2					
103036	( )	1	36		36	2					
123313		3	54	54				3			
125150		2	36	36					2		
125011		2	36	36						2	
123013		1	36		36					2	
103037	( )	1	36		36						

123601	( )	1	36		36				2					
125003		2	36	24	12					2				
124494		2	36	36						2				
124473		3	54	36	18					3				
124472		2	36	24	12					2				
124473		2	36	24	12					2				
126195	( )	1	36		36					2				
123327		3	54	54							3			
123396		2	36	24	12						2			
126193		2	54	36	18						3			
126194		1	18	18							2			
123314		2	36	36							2			
126196	( )	1	36		36						2			
124491		2	36	24	12							4		
126105		2	36	36								4		
		66	1509	771	738	14	14-16	13	12	13	12-14	8	0	

122059		1	36		36				2					
124485		1	36		36					2				
000024		2	36	36						2				
123601	( )	1	36		36						2			
126218		1	18	6	12						2			
124493		2	36	24	12							4		
124211		2	36	36				2						
126208		1	18	18					1					
126209		1	18	18						1				
126210		1	18	18							1			
126211		2	36	12	24							4		
126212		2	36	12	24							4		
126213		2	36	12	24							4		
126214		2	36	12	24							4		
126215	SPSS	1	18	6	12						1			
126216		1	18	6	12					1				
126217		1	18	6	12						1			
124491		2	36	24	12						2			
8														

			1		1						
124521		4	4		1	1	1	1			
124522	( ):	1	1					1			
124523	( ):	1	1						1		
124524	( ):	1	1								1
124525	( )	6	10							10	2
124526		8	12								12
		21	30	0	2	2	1	2	1	12	1

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74 66 8 21  
2 6 4 2 2  
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Elementary Education Normal

040107

A	
B	
C	
D	
E	



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
								H	L	H	M
								L		H	
								L	L	H	M
								M	L	H	M
								L		H	
	( )							M	L	H	M
	( )							M	L	H	M
								L			L
	( )							M		H	
	( )							M		H	
	( )							M		H	
										H	H
								H		M	L
								H		H	L
						M		M	L	H	H
						M		M	L	H	H
								M		M	M
								H		H	H
										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	H			M				H	
		H	H			M				H	
		H	H			M				H	
		H	H			M				H	
		H	H			M				H	
		H	H			M				H	
		H	H			M				H	
		H	H	H	H						
		H	H	H	H						
		H	H	H	H						
		H	H	H	H						
		H	H	H	H						
		H			H			H	H		
				H	H			H		H	
										H	M
		H	H	H	H						
		H	H	H	H						
		H	H	H	H						
	( )	H	H	H	H	H	H	H	M	H	M
	( )	H	H	H	H						

' H'

' M'

' L'

	15		2					1	2			
	18		2				1					
	18		2				1					
	18		2					1				
	18		2				1					
	18		2									
	5		1					12				2
	0			1	2	3					10	2
	110		13				3	12	2	2	10	

	416	272	192	1083	299	144		144		28
	26	15	12	61	8.5	8		8		20+6=26
	32.21		42.25		4.86		4.86		16	
				2550			164.5			49.5
=30.09%										

							15	16	16	16	16	16		
000033			3	48	32	16		2+1						
000034			3	48	32	16	2+1							
000085			4	64	48	16				3+1				
170001			1	16	16			1						
000012			3	48	32	16			2+1					
000044	( )		4	64	32	32	4							
000045	( )		4	64	32	32		4						
000040			2	32	16	16		2						
000112	( )		1			32	2							
000113	( )		1			32		2						
000114	( )		1			32			2					
000115	( )		1			32				2				
000032			2	32	32						2			
000065			2				2							
000099			2	32	32					2				
000097			2	32	32				2					
000102			1	16	16		1							
000081			1	16	16							1		
000080			1	16	16		1							
000053			2	32	32			2						
			41	688	416	272	11	12	7	8	2	1		
			1											
			2											
			2											
			2											
			4											
								4						2
								2						
							12		2-7					



1302001		1	18	18			1	1				5			
122002		4	72	72				4							
124125		3 3	54	54				3							
000022		2	52	18	34		2	1							
000023		2	71			71	1	1	1	1					
000024		2	54	18	36						3				
124124		2	36	36					2						
124125		3	54	54					3						
124127		2	36	36						2					
124128		2	36	36							2				
124129		2	36	36									6		
124020		2	36	36						2					
124022		4	70	70			2	2							
124024		4	72	72					2	2					
124433		3	51	51			3								
124010		5	87	87			3	2							
124142		2	36	36					2						
124123		2	36	36							2				
124119		2	52	18		34	2	1							
124121		2	52	18		34	2	1							
124176		2	36	36						2					
124138		2	36	36						2					
124147		4	90	54		36			3	2					
124148		4	90	54		36			3	2					
126104		1.5	36	18		18		2							
123390		1	17	17			1								
126197		2	36	36								2			
126198		2	36	36					2						
		69.5	1382	1083	70	229	17	17	18	15	15	2	5		



			1		1						
126302		3	3		1	1		1			
126303		3	3	7							
126304	( )	6	8							8	2
126305	(	8	12								12
		20	28								

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Musi c Normal

130202

<b>A</b>	A1
	A2
<b>B</b>	B1
	B2
<b>C</b>	C1
	C2

D	D1
	D2
E	E1
	E2

4

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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								M		M	M
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										H	H
										H	L
								H		H	H
									L	H	M
									L	H	H
									L	H	M
									L	H	M

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	H	H							L
		H	H	H						M	
		H	H	H						M	
		H	H	H						M	
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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		H		M			H	M			
		H		M						M	
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H		H	M	M					
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	18		2		1					1
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	0			1					10	
	113		14	1	5	12	2	2	10	

	416	272	192	678	792	144	90	144	0	30	
	26	15	12	37	25	8	4	8	0	22+6	
	33. 22%			37. 5%			7. 5%		5%		16. 875%
				2731			163			72	
	=44. 72%										

							15	18	18	18	18	18								
000033		3	48	32	16		2+1													
000034		3	48	32	16	2+1														
000085		4	64	48	16				3+1											
170001		1	16	16			1													
000012		3	48	32	16			2+1												
000044	( )	4	64	32	32	4														
000045	( )	4	64	32	32		4													
000040		2	32	16	16		2													
000112	( )	1	32		32	2														
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000097		2	32	32				2												
000102		1	16	16		1														
000081		1	16	16									1							
000081		1	16	16		1														
000053		2	32	32			2													
		41	688	416	272	11	12	7	8	2	1									
		1																		
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		2																		
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																				2

	105901		1	15	15		1							
	000020		4	72	72			4						
	000021		4	72	72				4					
	000022		2	30	10	20	2							
	000023		2	33	11	22	1	1						
	000024		2	36	8	28			2					
	124176		2	36	36					2				
	104392		4	108	36	72				2	2	2		
	104501		4	66	66		2	2						
	104159		4	138	46	92	2	2	2	2				
	104309-12		2	66		66	1	1	1	1				
	104313-16		2	66		66	1	1	1	1				
	104571		2	66		66	1	1	1	1				
	104410		3	66	18	48	2	2						
	104158		2	66		66	2	2						
	104327		4	66	66		2	2						
	104412		4	72	72				2	2				
	124571		4	72	72				2	2				
	104358		2	36	36						2			
	104317		4	144	18	126			2	2	2	2		
	104335-36		2	72	24	48					2	2		
	104595		2	72		72			2	2				
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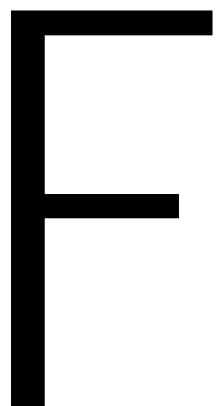
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124570		2	36	36						2			
104599		1	36		36						2		
104355		2	36	36						2			
104334		2	36	36						2			
126180		2	36	36							2		
		12	234	144	90								
2													
104510-12		3	54		54					1	1	1	
124574		3	72	18	64						2	2	
104421		2	36	6						2			
104334		2	36	36						2			
126180		2	36	36							2		
		12	234	96	118								
3													
104592		1	36		36						2		
104716		2	72		72						2	2	
104418		2	72		72					2	2		
104417		1	36		36					2			
104715		2	36	36						2			
104334		2	36	36						2			
126180		2	36	36							2		
		12	324	108	216								

4													
104441		3	54		54					1	1	1	
104366		3	108		108					2	2	2	
104372		2	36	36							2		
104334		2	36	36						2			
126180		2	36	36							2		
		12	270	108	162								
5													
103337		2	36	36						2			
126140		2	36	36							2		
124587		2	36	36							2		
104222		2	36	36							2		
104334		2	36	36						2			
126180		2	36	36							2		
		12	216	216									



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104594	2	64	14	50			2	2
104419	2	36	36			2		
126181	2	72	24	48			2	2
104355/1	2	30	30			2		
124570	2	36	36					



104947		2	36	36						2				
104599		2	36		36					2				
104712		3	128	42	86			2	2	2	2			
125005		1	36		36					2				
104378		4	72	72						2	2			
126104		2	38	38				2						
126183		0.5	8	8							2			
126184		3	72	24	48					2	2			
126173		3	72	24	48			2	2					
008524		1	18		18							2		
126186		1	18		18							2		
126187		1	8		18							2		
126188		0.2												
126189		0.2												
126190		0.4												
8														



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126191		3	3		1	1		1			
126192	( ):	1	1							1	
126193	( ):	1	1							1	
126194	( ):	3	3								
126195	( )	6	10								10
126196		8	12							12	
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
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	( )							M		H		
										H	H	
								H		M	L	
								H		H	L	
							M		M	L	H	H
							M		M	L	H	H
									M		M	M
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											H	H
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								H		H	H	
									L	H	M	
									L	H	H	
									L	H	M	
									L	H	M	

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
		H	M	H							L	
		H	M	H	H							
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		H		M	H	H						
		H	H	M							M	
		H		M		H				M		
		H		M		M				M		
		H		M			H	M				

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H		M			H	M			
		H		M						M	
		H		M	M	H					
		H	H	M			H				
		H		M		H					
		H		M		M				M	
		H		L		M				M	
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		H		L		M				M	
		H		L		H				M	
		H	H	M		H					
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		H		H	M	M					
		H		H	M	M					
		H		M	M					M	
		H		M	M		H				
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		H		L		M				M	
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	15		2				2		1
	18		2			1			
	18		2			1			1
	18		2	1					1
	18		2	1					2
	18		2						1
	8		2		12			8	2
	0							2	
	113		14	2	12	2	2	10	

	416	272	192	584	636	208	140	70	104	28
	26	15	12	37	23	9	3	5	3	19+6
	33.54		37.97		6.96		5.06		15.82	
				2664			158			66
= 41.77										

							15	16	16	16	16	16																																			
000033		3	48	32	16		2+1																																								
000034		3	48	32	16	2+1																																									
000085		4	64	48	16				3+1																																						
170001		1	16	16			1																																								
000012		3	48	32	16			2+1																																							
000044	( )	4	64	32	32	4																																									
000045	( )	4	64	32	32		4																																								
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000112	( )	1	32		32	2																																									
000113	( )	1	32		32		2																																								
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		41	688	416	272	11	12	7	8	2	1																																				
		1																																													
		2																																													
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						12		2		2-7																																					



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105901		1	15	15			1									
104501		4	62	62			2	2								
104159		8	126	30		96	2	2	2	2						
104309- 12		2	63	11		52	1	1	1	1						
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104410		3	62	30		32	2	2								
104158		2	62			62	2	2								
104327		4	64	64			2	2								
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104358		2	32	32								2				
104222		2	32	12		20							2			
104317		4	128	16		112			2	2	2	2				
104571		2	63	11		52	1	1	1	1						
104335- 36		2	64	12		52						2	2			
104378		4	64	64								2	2			
104947		2	32	32								2				
104527		2	32	22		10							2			
104599		2	32			32						2				
104595		2	64			64			2	2						
		60	1220	584		636	12.5	13.5	9.5	9.5	12	10	4			



						15	16	16	16	16	16	8	
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104592	2	32	8	24								2	
104509	2	32	32									2	
124570	1	32	8	24					2				
124574	2	64	12	52					2	2			
125004	2	64	12	52					2	2			
104356	2	32	32						2				
104721	3	128	42	86			2	2	2	2			

125005		1	32			32					2				
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126190		0.5		8		8						2			
126189		0.5		8		8						2			
126188		0.5		8		8						2			
126184		4	64			64					2	2			
126173		4	64	20		44			2	2					
126219		1	16						2						
126140		2	32									2			
008524		1	16			16							2		
126186		1	16			16							2		
126187		1	16			16							2		
124360		0.2													
124361		0.2													
8															

			1		1						
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124365	( )	6	10							8	2
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		22	30		2	1		1		10	14

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Trade Economy

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A	A1	20
	A2	10
B	B1	20
	B2	15
C	C1	5
	C2	10
D	D1	5
	D2	5
E	E1	5
	E2	5



		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
								H	L	H	M	
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	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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	H	M	H			M	M			M
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
										M	L
		H	H					M		M	
		H	H								
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	( )	H	H	M							
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					M	M		M	M	M	
	:	M				M		M	H	M	
		M	M	H							
	( )	M					H	M	M		
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	15		2							2		1
	16		2						1			
	16		2				4-6		1			1
	16		2	1( )								1
	16		2		1							2
	16		2	1( )		1	4-6					1
	10		2								6	2
								12			2	
	103			2	1	1	8-12	12	2	2	8	

	416	272	192	856	96	144	48	144	48	40	
	26	15	12	54	6	9	3	9	3	20+6	
	32.52		36.80			7.36		7.36		15.95	
				2116			163			53	
=32.52%											

							16	16	16	16	16	16		
000033		3	48	32	16		2+1							
000034		3	48	32	16	2+1								
000085		4	64	48	16				3+1					
170001		1	16	16			1							
000012		3	48	32	16			2+1						
000044	( )	4	64	32	32	4								
000045	( )	4	64	32	32		4							
000040		2	32	16	16		2							
000016	( )	1			32	2								
000017	( )	1			32		2							
000018	( )	1			32			2						
000019	( )	1			32				2					
000032		2	32	32						2				
000065		2				2								
000108		2	32	32					2					
000097		2	32	32				2						
000012		1	16	16		1								
000081		1	16	16								1		
000080		1	16	16		1								
000053		2	32	32			2							
		41	560	416	272	13	11	7	8	2	1			
		1												
		2												
		2												
		2												
		4												

															16	16	16
024175			1	16	16			1									
024188	( )		3	48	48			3									
024189	( )		3	48	48				3								
024190			2	32	32					2							
024191	( )		3	48	48						3						
024107			4	64	64			4									
024192			33	48	48				3								
024193			2	32	32					2							
024194			3	48	48				3								
023229			2	32	32				2								
024098			2	32	32				2								
034109			2	32	32					2							
024176			1	16		16				1							
024089			2	32	32						2						
034541			2	32	32							2					
024094			2	32	32							2					
034542			1	16		16						1					
024093			2	32	24	8						2					
024263			2	32	32				2								
024082			2	32	32					2							
024096			2	32	24	8				2							
024095			2	32	32					2							
024151			2	32	32						2						
024196			1	16			16				1						

	024088		2	32	32					2				
	024197			16			16							
	024097		2	32	24		8				2			
	024150		2	32	24		8					2		
	024177		2	32	32							2		
			60	952	856	40	56	10	13	13	11	9	4	
	1.													
	024202		2	32	24		8					2		
	024203		2	32	24							2		
	024204		2	32	24							2		
	034543		2	32	24		8					2		
	034544		2	32	24		8					2		
	024205		2	32	24		8				2			
	2.													
	024206		3	48	36		12					3		
	024207		3	48	36		12				3			
	024208		2	32	24		8					2		
	024209		2	32	24		8					2		
	024210		2	32	24		8					2		

				15	1	1	1	1	1	1	
					6	6	6	6	6	0	
024214	2	32	32								3
024215	2	32	24	8							3
024243	2	32	24	8							



			1		1						
024021		2	8				-		-		
024264			2				1		1		
024265	ERP		1								
024266			1								
024267		8	12								12
024478	( )	6	10							8	2
		20	35				5-7		6-8	8	14
		163		23	24	20	19	11	15	12	

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1. 163 41 12  
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Tourism Management and Service Education  
120904T

3 5

A	A1
	A2
B	B1
	B2
C	C1
	C2

D	D1
	D2 " +"
E	E1
	E2

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62

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		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2
		H	H								
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			H	H					H		
		M		H						M	
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			H	H		H		H			
			H	H		H		H			
			H	H		H		H			

		A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	
			H	H		H		H				
		M	H			H	H					
		M	H			H	H					
		M	H	H	H	H	H	H	H		H	
		M			H	H					H	
		M			H	H					H	
		M			H	H					H	
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	13		2					1			2		2
	16		2		5					1			1
	13		2			3							2
	16		2							1			1
	0		0				20+7						0
	16		2	1									1
	11		2									8	1
	0		0						12			2	0
	85		12	0	5	3	27	1	12	2	2	10	

	416	272	192	740	194	134	98	173	85	59	
	26	15	12	43	11	7	5	9	5	26+6=32	
	26.06%			32.72%			7.27%		8.48%		19.39%
				2304			165			68	
= 41.21% 25%											

							13	16	13	16	0	16	11	0
000033		3	48	32	16		2+1							
000034		3	48	32	16	2+1								
000085		4	64	48	16				3+1					
170001		1	16	16	0		1							
000012		3	48	32	16			2+1						
000008	( )	4	64	32	32	4								
000009	( )	4	64	32	32		4							
000040		2	32	16	16		2							
000016	( )	1	32	0	32	2								
000017	( )	1	32	0	32		2							
000018	( )	1	32	0	32			2						
000019	( )	1	32	0	32				2					
000032		2	32	32	0				2					
000065		2				2								
000108		2	32	32	0				2					
000097		2	32	32	0			2						
000102		1	16	16	0	1								
000081		1	16	16	0						1			
000080		1	16	16	0	1								
000053		2	32	32	0	2	2	2	3	0	3	2		
		41	688	416	272	13	12	11	10	0	1	0	0	
		1												
		2	4											
		2	2											
		2	12 2-7											
		4	2											



																13	16
024092			1	16	16		0	2									
034220			2	39	36		3	3									
024483			3	52	48		4	4									
034013			3	48	36		12		3								
024489			3	48	48		0			4							
024269			2	32	32		0							2			
034418			2	32	32		0							2			
034225			2	32	28		4		2								
034223			3	54	42		12				3						
024270			3	48	40		8			4							
024086			2	39	27		12		3								
034232			2	40	24		16				3						
024271			3	48	33		15				3						
034226			2	48	27		21		3								
024272			2	48	33		15							3			
024465			3	52	26		26	4									
034231			2	32	28		4			3							
033102			2	32	24		6			3							
034109			3	48	40		8				4						
024273			3	48	20		28								3		
000021			3	52	52		0			4							
000020			3	48	48		0		4								
			54	936	740		194	13	15	17	13	0	7	3	0		



	024091		2	32	26	6						2		
	024282		0.5	16	8	8		2						
	034158		2	33	23	10							3	
	034299		2	39	18	21						3		
	034224		2	32	32	0							3	
	024480		1.5	32	16	16							3	
	033113		2	32	26	8						2		
	024090		2	40	24	16						3		
	034302		1	16	16	0				2				
	024501		2	32	32	0			2					
	034235		2	32	32				2					
			14	14										

	034613		1		1									
	024460		0.5	1	1									
	014665		1.5	5		5								
	014666		2	3		3								
	014667		9	27					20+7					
	000095		1							1				
	000038	( )	8	10							8		2	
	000037	( )	4	12										12
			26	59	1	1+5	3	1	20+7	1	8		14	
			159		26	29	28	28	0	24	20		0	

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