NAME: VENICATA SUSANTH UID: 100194 8746

The second secon	
1.	). Find maximum whight bipale motiling
,	a). Total which is 1986
	a). Total weight is 1986 Matchy -> 04
	10
	2 2
	3 3
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	P = lowet: 00
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	2 2
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	Lowest envy-free pine som; 67
	u lowest 1
	W works
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	Physics,
	1 3 3
	0 201
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	3 242
	4 342

Highest envy-free pere som: 1209 U highest 158 0 2 119 3 239 4 261 2.). 201 3 100 200 300 400 500 205 201 202 203 204 337 201 221 341 361 401 401 461 7481 491 462 463 464 465 466 to determe a nime wight bipartite matchy 200 300 400 500 100) 2 y (2) 20 (40) 60 80 (30) (0 80 90 (3) So to determine the minimum weight we add 100 + 205 + 341 +431 +465 = 1542 100,205,241,14,431,465

142 143 Hy 145 H, 2 PI Pz 2 P۵ PS P1: H1 - Prilts P4: Hs Ps: H2 Ps: 44 P1: H1 - P2: H5 P4: H5 P3: H4 P5: H2

P1: H1 - P2: H5 P4: H5 P3: H2 P5: H4

P1: H1 - P2: H5 P4: H5 P3: H4 P5: H2 Pr: Hs Py Us Pi: He Ps: Hy P2 : H1 P2: Hs P4: Hs P1: H4 P5. H1
P2: H5 P4: H3 P1: H4 P5. H4
P2: H5 P4: H3 P1: H4 P5. H4 Ps: 4, P3: 41 B- 4, Ps: Hy Pr: Hy Pr: Hy Pr: Hy Pzz 4s Puilts Pitt Bildy 11 PICHY Por AL Pr. H, Py: Hs Ps: Hy) Py: Hs 11 Pr. Hy Ps: He /4 Pz: Hs P4:14, P3 Hz P5: H4

PIHL PS Hy PZIHL P4 Hs Pa: Hs Protte /4 P, Hy • 11 PZ HS P4: HI P, HZ PS: Hy P, 1+4 Ps: Hz 11 PIHZPS LLY) Pg: Ho P2: 4, P4: 4, PIHY PS: HULY P2 111 · 11 Pz:Hs Py:H, P37. H2 Ps7. 44) P, 1. Hs / P2: 4, P4: H) Ps: 44 Ps: Hu 4 11 P2: H3 P4: H1 P1: H2 P1: H4
P1: H4 P2: H, P4: H3 PoHs Re 11 P2743 P4:41 U P2 H, P4 H3 P1 H2 P3: H4 Pg . Hs · (( ) Pritz Py: 41 So total combinators = 36

( 4). P. 21212 P2 12 121 1, 21212 P412121 Ps 21212 Par Ha Par Hs Pritte Py. H4 PI: HI Ports Psitz · · [] Pz: 44 P4: 1tg U Pz: Hz P4: P4 11HS P = 2 41 PICHS ٧ \_\_\_\_ U P2:44 P4: the \1\_\_\_\_ P3: HJ P1 Ho Pry Py: 144 PS: 41 ParHa PI HS PU Pz: Hy Py: Hz So the total combinations are > 12

