## 数学规划 第7年作业

$$f_3(B_1) = \min(4+3, 4+5) = 7$$
  $f_3(B_3) = \min(4+5, 2+5) = 6$   $f_3(B_3) = \min(3+5, 5+5, 3+5) = 8$ .  
 $f_4(A) = \min(3+7, 2+6, 1+8) = 8$ .

·报短长废为8,路线为A,弘, CI, D,,E.

· 最短下左为心, 路境的 A.C.干了 M.O.B

7-5解放中心的三个地区分配人数分割为以以外。

K= 207 nz	0	1	2	3	4	t	6	opt.us	
0	ð							0	0
ı	75	65			140			0	75
2	100	140	85					1	140
3	120	165	160	110				,	165
4	135	185	187	185	140			1,2,3	165 185 215
~		3 A.	260	210	215	165	•	4	215

(多上 max f max (fi), max(fz) = 275 比时以三,42=4,43=1 甲甲,2 病分别分面21,4,1人时部分最大

7-96年于(13)=max (9x; +fx (13-7x)) = max{ fx (13) 7+fx(6)}, 0exse 13 fy (13) = max {4x4+f(13-5x4)}=max {f3(13), 4+f3(9), 103,05 x45 13. f4 (6) = max{4x4 +f3 (6-5x4)} = max{f2 (6),45} 0 = x455 folls) = max (3x3+f2 (13-4x3)) = max (f2(13), 3+f2(9), 6+f2(11)), 0 < x3 < 7 for(9) = max (303+for (9-4xs)) = max (for(9), 3+for(5), 6.5) foll) = max [3x, +f2 (6-4xs)] = max(f26), 4} falls) = max { 2 x2+f1(13-392)} = 8.5. 12191 = max ( 2xx+f1 (9-3x2)) = 6. F-61=4 T3(6)=4 f3(9)=9 f3(B)=7.5 f416)=4.5 f4(13)=13 fr(13)=13.5 伤上. 贯(A, MB,14E包裹价值最大.