10 20 0 10 11 20 30 14 4 de 16 1-2 00 5 00 2 0 - 3 16 3 15 19 18 do 3 12 -12 0 3 16 16 17 ∞ 10 0 1 Reduced lost Malrix 0 L=25 12 00 0 12 00 -3 -1 For computing 1 -> 2 let row 1 to 00, col 2 to 00, 2 -> 1 too K 06 do 06 de 60+(1 -> 2) = 25 +10 = 35 2 0 do 06 2 do 8 12 do 12 do 0 For lowfuling 1-3 Cet row L, bol 3 to do, 3-> 1 to do 06 06 8 de Lost (1→3) W 2 12 0 = 25+11+17=53 06 1 0 3 00 do 0 0 & 12 1) - 11 For Computing 1 -> 4, set rows, will 4 to x, 4 -> 1 to x d 6+ (1-) 4) d 100 06 0 0 2 12 0 11 = 25+0=25 2 do do 0 12 00 2 0 d 0

Sly, cost 1 -> 5 is Corefuted as 31.

Thus 1-> 4 is the best with cost 25.

For Computing 1-> 4->2, and

Set mos 1, 614, row 4, 6012 to 20

Cost $(1 \rightarrow 4 \rightarrow 2) = 25 + 65t (4 \rightarrow 2)$ = 25 + 3 = 28

Shy toit() -> 4 -> 3) = 50, lost (1 -> 4 -> 5) = 36 Thus 1 -> 4 -> 2 is his bet with with 28.

For combuting $1 \rightarrow 4 \rightarrow 2 \rightarrow 3$ 24 vao 1, cot 4, vao 4, cot 2, vao 2, cot 3, $3 \rightarrow 1$ as ∞ vao 1, cot 4, vao 4, cot 2, vao 2, cot 3, $3 \rightarrow 1$ as ∞ vao 1, vao 2, vao 3, vao 3, vao 3, vao 3, vao 4, vao 4,

20 20 20 20 2 -2 20 20 20 20 20 -2 11 20 20 20 20 -11

Shy but (1-)4-)2->5)=28 This 1-)4->2->5 is better with list 28.