Econ Assignment 4

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(Da) 1. ISince it & MARR, discarded . Binitial chaption

is) it >MARR, : it new top project

ii) ; + LMARR, it >MARR, it new chapion

iv) if LMARR, it still best

. Project E chosen

b) only projects (and F would meet this requirement

2

Jessica has 6 options = A, B, C, AB, AC, BC From table, (P/A, 0.12, 4) = 3.0373 -40000 +20000 (P/A, i+, 4)=0 2 = (PIA : * 4) From Inble (1P/A, 0.3, 4) = 2.1662 (R)A, 0.4,4)=1.8492 B -110000 + 30000 (P/A, 1+, 4) =0

1x -0.3 = 0.4 -0.3 2-2.1662 = 1.8492 -2.1662 1 = 0.35241/.

3.6= (P/A, ; +, 4)

Frontable, (PIA, 0.03, 4)=3.7171 (PIA, 0.04, 4) = 3.6299

: 0.03 L ; + co.04 L MARR, unacceptable C -130000 +45000 (PIA, 14, 4)=0

(P/A, i*, 4) = 2.8 From table, (PIA, QK, U)=2.8550 (PIA, 0.14,4)=2.9137

 $\frac{0.16 - 0.14}{2.855 - 2.9137} = \frac{1 \times -0.14}{2.8 - 2.9137} = 0.1486 \%$

. C. (Bince it All it & MARR. Project A and Cahasa (PIA = 4) = 3 6

From table 0.04, 2 it < 0.05 & MARA, there fore incremental important not worth it, A: 6 51:11 the best

From table, (P/A, 0.13,20)=7.0248 (P/A, 0.14.20) = 6.8231

$$\frac{0.13 - i^*}{7.0248 - 7} = \frac{0.13 - 0.14}{7.0248 - 6.6231}$$

$$i^* = \frac{6.13 \cdot 1}{10.248 - 6.6231}$$

i* = 13%, this is the MARR