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22-51-05
Q:(a)(i) pessimish
Solution Maximin -5 > -10>-20>-30
 Mr. Chen should invest Condominium (c)
(ii) optimism
Solution Maximax 30 > 25 > 20 > 15
 Mr. chen should invest shop (S)
(iii) regret
        E2 E3
                  -5 - Fil
 I -10 10 20
  0 -20 12 25 15-1E2
  S -30 15 30 30-ris
  C -5 10 15
Max -5 15 30
        EI E2 E3
     @5 @5 @10
      3 15 <del>63</del> 3 5 5
                       15
    S BOUS BO BOO
                       25
    c 80 By $15
                        15
  Max -5 15 30
  So, Mr. chen should invest Industrial (I)
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Solution

$$\chi_{\text{HDB}} = (0.4 \times 20 + 0.6 \times 25) - 12 = 11$$

$$\Upsilon \text{ or } = (0.3 \times 25 + 0.7 \times 32) - 16 = 13.9$$
 促销估工作的运算

$$U(X_{Air}-N_{0}-p) = \sqrt{\frac{7.4+2}{30}} = \sqrt{\frac{150}{50}} = 1.4808$$
 highest $U(X_{Air}-N_{0}-p) = \sqrt{\frac{7.4+2}{30}} = \sqrt{\frac{150}{50}} = 0.6690$

So, the best outlet location is the airport and join the airport promotion

(ii) Since U(XAir-NO-P) < U(XHDB) < U(Xorc)
when U(XAir-p) < U(Xorc), it will change thebri) answer

$$\int \frac{23.6+2-79}{\sqrt{20}} < \frac{550}{20} \int \frac{13.9+2}{21}$$

$$\frac{25.6 - y}{12} = \frac{530}{400}$$

$$25.6 < y + 15.9$$

$$y > 9.7$$

$$23.6 - 9 < 13.9$$

 $9 > 23.6 - 13.9 = 9.7$