AS NIV project is not featible 1. J.BR (Internal Rate of Return). It is used to find out profitability of an investment. + HOW IRR is calculated? uses same formula as NPV uses same tormula as Not and out the uses toial despots mild to find out the discount rate/seturn rate that makes the NPV ZEVO. ex. A company wishes to invest in a new proje It has two alternatives A & B. Following available. Which project will data is company select bould on NPV & IRR. Project B Project A 12,75,000 Initial ment 10,50,000 can Inflow in Re 7,50,000 5,50,000 year I 5,00,000 7,00,000 2 10%. 10% Interest Rate et A: 10,50,000 (1+0.1)2 NPV 5,50,000 (1+0.1) 10,50,000 7,00,000 = 5,50,000 1.1 = (5,00,000 + 578512.39) - 10,50,000 =1.078,512.39-10,50,000= 28,512.39 Rs.

```
10 9 min / / /
Bolod B:
     (1+0-1)1 + $100,000 - 12,75,000
        = 1.50,000 + 5100,000 12 175,000
       =(681,818.18+413,223.14)-12,75,000
  ppv = - 179, 3 -8. 68 Rs.
      Hence, Proj. B is not fearble, Project A is
      to be selected.
   # IRR:

IRR= 5,50,000 + 404,00,000 _10,50,000

(1+3)' + (1+3)2
·Trial: Sonsider j=10%
      0 = 5,50,000 + 7,00,000
                                   10,50,000
     0 = 28,512.39 Rs
Trial 2: consider, i=11%.
     0 = 5,50,000 + 7,00,000
(1+0.11) + (1+0.11)2
                                -10,50,000
       -5.50,000 +7.00,000 +0.50,000
       =495,495.495+7,00,000 10,50,000
       = (495,495.495+568,135.703)-10,50,000
        1063,631.2-10,50,000
    5 = 13,631.2 /
```

17.83 10,50,000 = (150.000 + 3,00,000 In at 3: 10,50,000 1.12 4 4 = (491.071.42 9 + 5 58,035.714) - 10,50,000 = 10,49,107.14 -10,50,000 - - 892.86 Total 4: 1=11.95% 10,50,000 + 7100,000 5,50,000 (1+0.1195) 1.25328025 1.1195 491.290.755+558534.294-10,50,000 10,49,825.05-10,50,000 =-174.95 5: i=11.937 BCR EX. Proj B Proj. A Years YPY 4,50,000 4,00,000 inj 4=-9006s 1,40,000 1,20,000 8=9602 145,000 1,25,000 2 BCR 76,000 Proj A = 0.975 78,000 65,000 80,000 B= 1.02 60,000 75,000 90,000