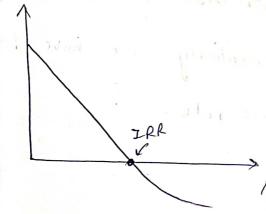
$$\rightarrow NPV = -100 + 110$$

$$0 : -100 + \frac{110}{1 + 1RR} =) IRR = 10\%$$

$$\rightarrow NPV = -100 + \frac{1+0.08}{100} = 1.85 > 0$$

> NPV rule also says accept.



In this case where the curve Looks Like this,

NPV rule and IRR

When will NPV and IRR rule not agree.

eg. Co = 100 d C, = -130 d, h=10%.

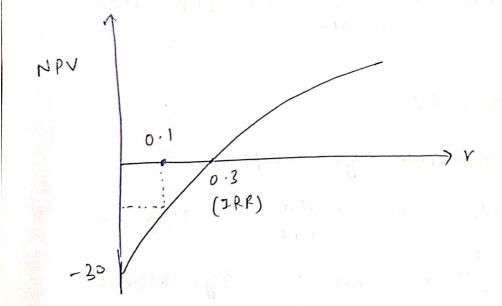
NPV = 100 - 130

JRR = 30 %.

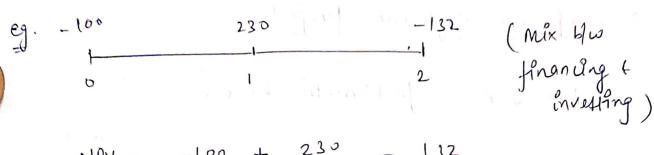
At 1=10%. NPV <0, thus reject

IRR > 2, thus accept.

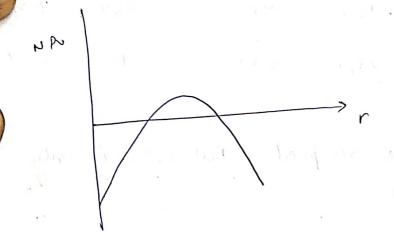
IRR and NPV rules disagree here.



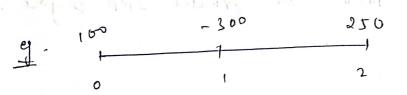
In this project, we initially get 100 £ and then pay 130 £ afferwards. This is called a financing project. Essentially, we have borrowed 100 £ at 20% interest rate.

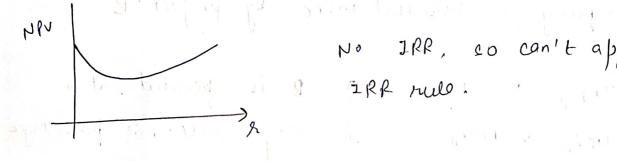


$$NPV = -100 + \frac{230}{1+2} - \frac{132}{(+2)^2}$$



Can't use IRR





No IRR, so can't apply

In all IRR rule dos not give correct answer dways.

IPP and NPV rule agree when the projects are investing projects.

-> Comparing different projects

La IRR is problematic here.

7 = 10%

eg. Project (° (°, 1191 182 A -100 400 184 3007-B -250 650 341 1657-

Both project can be accepted. But what if only one can be chosen?

Do we pick greater NPV or greater IRR project? Ans is NPV.

Project B Should be chosen because value of company is increased more by project B.

IRRA > IRRB | B is operated at a

NPVB > NPVA | larger scale. , so precenting e

return maybe less but total

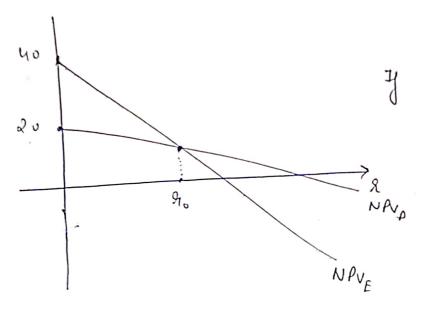
value to company is increasing

eg. Projects Co C1 C2 C1

D -100 100 10 10

E -100 10 10 120

which project is better? Depends on 2.



JRRD> IRRE

NPVE > NPVD They, project E is better.

St 7 Sto NPVp > NPVE Thus choose P.