```
a) let P (is) = rev (flip is) = flip (nev is)
    inductive principle:
    P([]) A Yoc: Int, Yous: [Int] (P(xs) -> P(x:xs))]
                > Yous: [Int]. P(ous)
Base case:
 to show P(II) holds
     P(\Gamma I) \equiv \text{rev}(\text{flip}[I]) = \text{flip}(\text{rev}[I]) \text{ by def.}
\text{rev}(\Gamma I) = \text{flip}(\Gamma I) by def.
\Gamma I = \Gamma I
   Shown.
Indutive case
 Inductive hypothesis: P(xs) assume to show: P(x:xs)
  = rev (FX)++ flip xs) = rev(flip xs)++ rev [-x]
  = flip (rev xs) + rev [-x]
rev (flip x:xs) = rev (flip[x]++flip xs)

= rev (flip xs) + rev (flip [x])

= flip (rev xs) + flip (rev [x]) by hyp.

= flip (rev xs ++ rev [x])
     Hip ( rev x: 45)
```