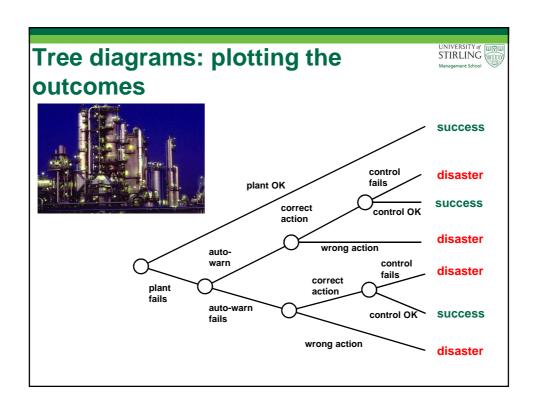
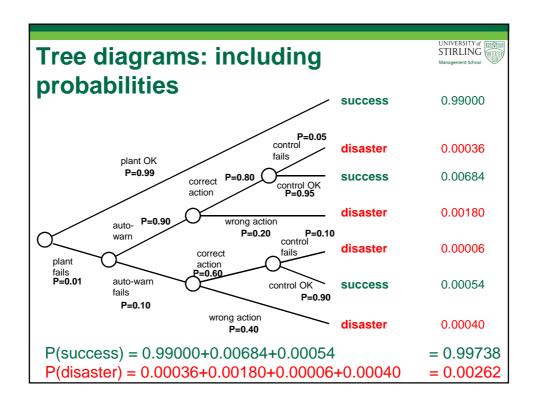


## Decisions in an uncertain world

decision trees & expected values



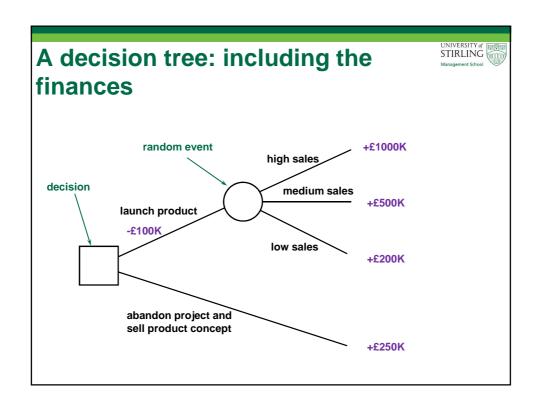


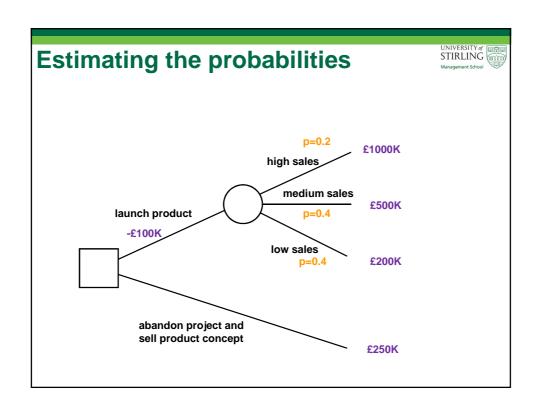


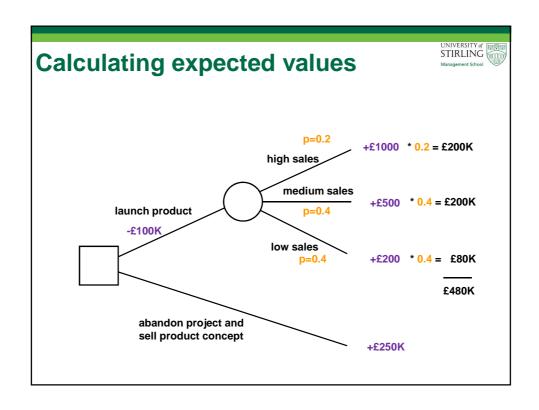
## Decision trees: including finance & options

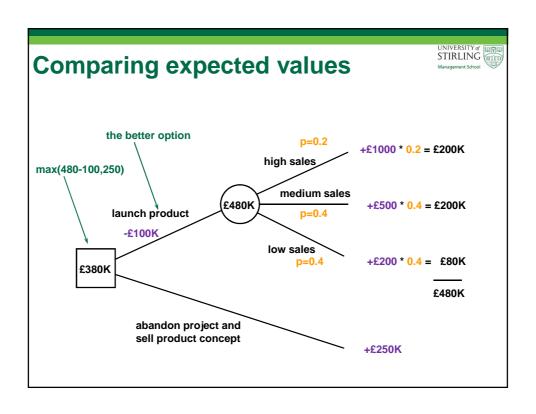


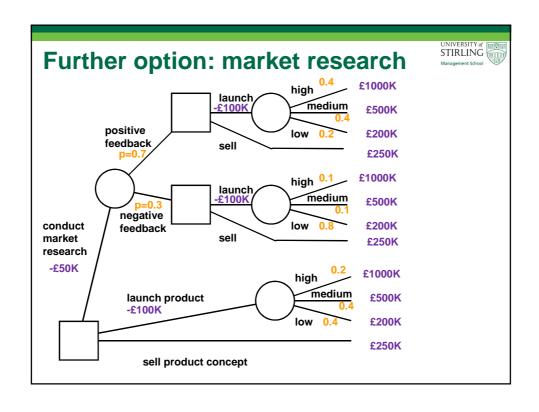
- consider an example:
  - -initial development of a new product completed
- options:
  - finance the final stage & launch the product in the market
    - -could result in high, medium or low sales
  - or sell the concept, guaranteeing some income

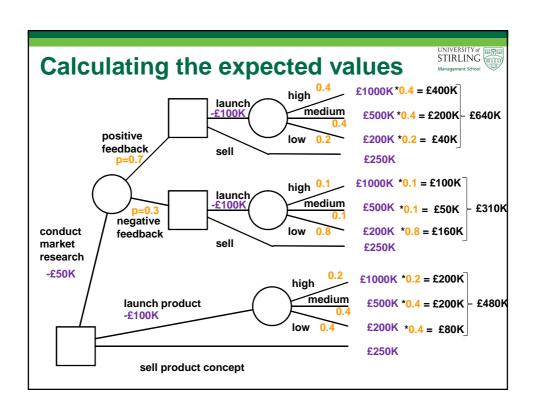


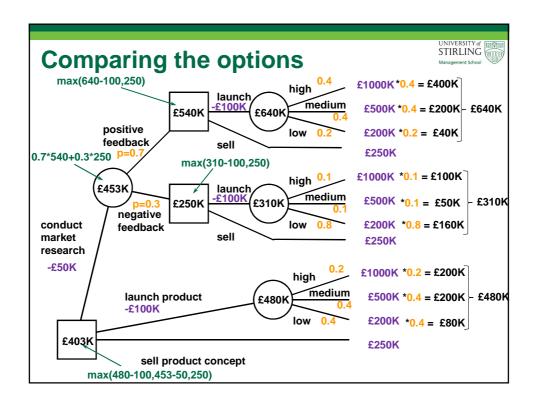












## The value of information



- if the cost of market research increases, would it still be worthwhile?
- if the market research cost £73,000
  - -expected value associated with "market research" option = £453000 - £73000 = £380000
  - –which is the same as the "launch product (without market research" option
- hence the "value of information" = £73000; while the market research costs less than this, it is worthwhile

