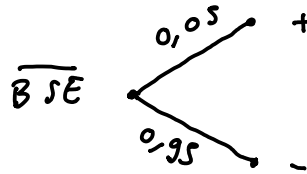
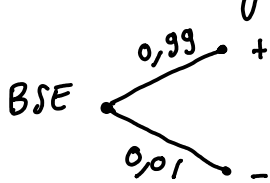


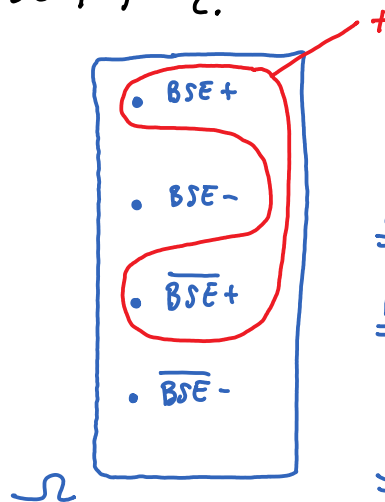
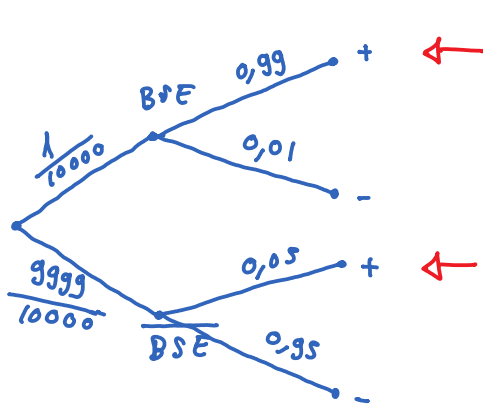
Esempio: BSE

- 1 BSE ogni 10.000 muache



•  $P(+)=?$

$P(BSE | +)=?$

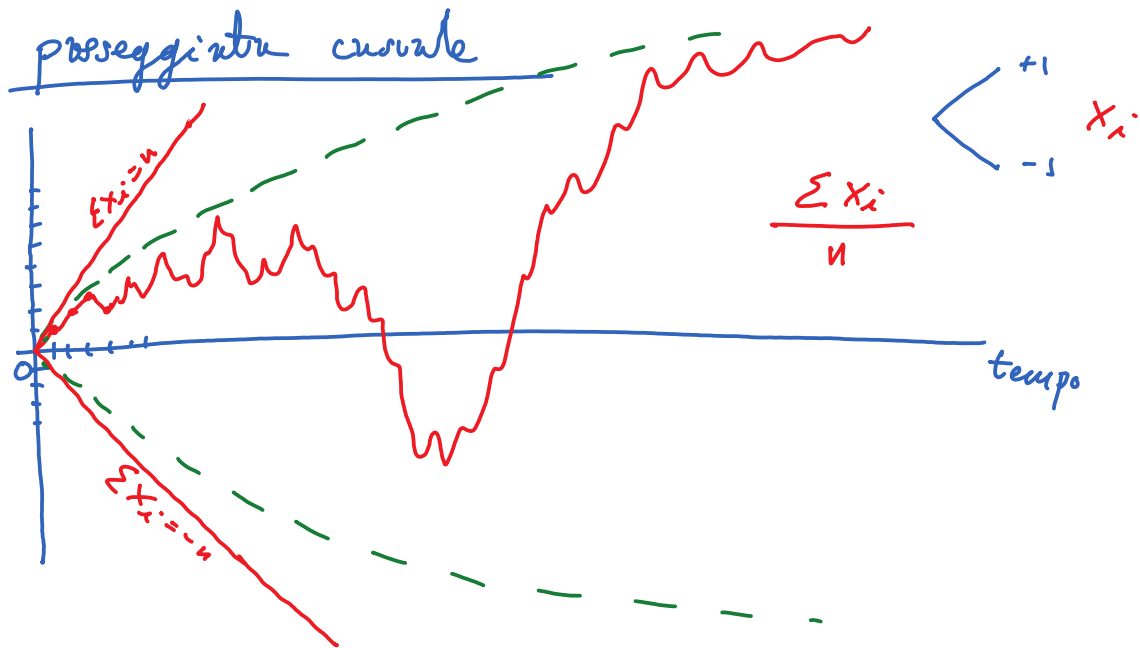


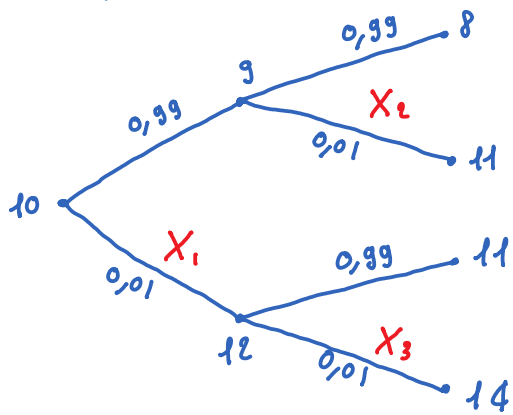
$$\begin{aligned}
 P(+) &= P(BSE+) + P(\overline{BSE}+) \\
 &= P(+|BSE) \cdot P(BSE) + P(+|\overline{BSE}) \cdot P(\overline{BSE}) \\
 &= 0,99 \cdot \frac{1}{10000} + 0,05 \cdot \frac{9999}{10000} \\
 &= 0,000099 + 0,049995 \\
 &= 0,050094
 \end{aligned}$$

$$\begin{aligned}
 P(BSE | +) &= \frac{P(BSE \cap +)}{P(+)} \\
 &= \frac{P(+|BSE) \cdot P(BSE)}{P(+)} = \frac{0,99 \cdot \frac{1}{10000}}{0,050094} = 0,001976
 \end{aligned}$$

venerdì 5 ottobre 2018 14:58

		Teste		<u>diff. Frequenza T-C</u>	
4040	→	2048	→	0,5069	56
12000	→	6019	→	0,5016	38
24000	→	12012	→	0,5005	24



Esempio Bonus-Malus

$\omega$	$p(\omega)$	premi	rimborzi
$\bar{s}\bar{s}$	0,9801	190	0
$\bar{s}s$	0,0099	190	$X_2$
$s\bar{s}$	0,0099	220	$X_1$
$ss$	0,0001	220	$X_1 + X_3$
1			