

PROBABILITÀ E STATISTICA - 07.02.2012

	F1	F2	F3	F4
C1	0,08012	0,45326	0,80258	0,02444
C2	$\frac{2}{9}$	$\frac{4}{9}$	$\frac{9}{64}$	$\frac{27}{64}$
C3	0,577	0,423	0,732	0,268
C4	0,9084	0,2381	0,9596	0,1247
E1	$p_{X,Y}(0,2) = \frac{1}{15}$ $p_{X,Y}(0,3) = \frac{2}{15}$ $p_{X,Y}(1,2) = \frac{2}{15}$ $p_{X,Y}(1,3) = \frac{2}{3}$ $\text{cov}(X,Y) = \frac{2}{75}$	$p_{X,Y}(0,1) = \frac{2}{15}$ $p_{X,Y}(0,3) = \frac{4}{15}$ $p_{X,Y}(1,1) = \frac{4}{15}$ $p_{X,Y}(1,3) = \frac{1}{3}$ $\text{cov}(X,Y) = -\frac{4}{75}$	$p_{X,Y}(0,1) = \frac{1}{15}$ $p_{X,Y}(0,3) = \frac{2}{15}$ $p_{X,Y}(1,1) = \frac{2}{15}$ $p_{X,Y}(1,3) = \frac{2}{3}$ $\text{cov}(X,Y) = \frac{4}{75}$	$p_{X,Y}(0,2) = \frac{2}{15}$ $p_{X,Y}(0,3) = \frac{4}{15}$ $p_{X,Y}(1,2) = \frac{4}{15}$ $p_{X,Y}(1,3) = \frac{1}{3}$ $\text{cov}(X,Y) = -\frac{2}{75}$
E2	$T = \frac{3}{4}\bar{X}_n$ T non distorto $MSE(T) = \frac{\theta^2}{2n}$	$T = \frac{3}{2}\bar{X}_n$ T non distorto $MSE(T) = \frac{\theta^2}{2n}$	$T = \bar{X}_n$ T non distorto $MSE(T) = \frac{\theta^2}{2n}$	$T = 3\bar{X}_n$ T non distorto $MSE(T) = \frac{\theta^2}{2n}$