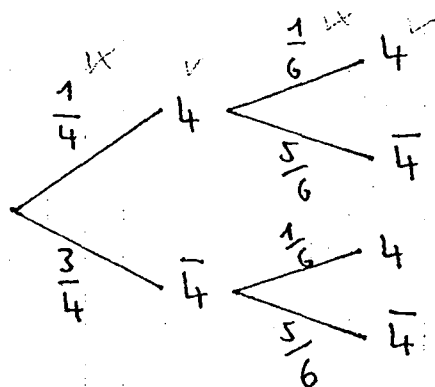


Lösung - Gruppe A

1.1

③



1.2 $P(E) = P(\bar{4}; \bar{4}) = \frac{3}{4} \cdot \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$

②

1.3 $P(A) = P(4; \bar{4}) + P(\bar{4}; 4) = \frac{1}{4} \cdot \frac{5}{6} + \frac{3}{4} \cdot \frac{1}{6} = \frac{8}{24} = \frac{1}{3}$

⑤

$P(B) = 1 - P(4; 4) = 1 - \frac{1}{4} \cdot \frac{1}{6} = \frac{23}{24}$

2.1

④

	B	$\bar{B}$	
J	0,11	$1 - 0,67 = 0,33$	0,44
$\bar{J}$	0,29	0,27	0,56
	0,40	0,60	1

2.2 a) $P(\bar{J} \cap B) = 0,29$

③

b) $P(\overline{B \cup \bar{J}}) = P(\bar{B} \cap J) = 0,33$

2.3 $P(J \cap B) = 0,11$

②

$P(J) \cdot P(B) = 0,44 \cdot 0,40 = 0,176$ } $\Rightarrow$ stoch. abhängig

$\Sigma = 20 P.$