9.0 = CHJ9

P[W] = 0.4 + 0.1 = 0.5

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		tic of a	pea plar	nt, such	as whe	hat each ch ether the se I by two g	eeds were				- 1		•		•	•		•				
		from ea	ach paren	nt. Each	h gene i	is either do	minant d	Sar	mple	Spa	ace	=	S =	: {.	yy,	49	,94	,99}				
		plant a	nd observ	e whetl	her the	genes are b e of each (l	ooth dom-										•					
		were a	dominan	it trait e	ver gre	nd that yell en seeds.	A yy pea		*	เนื้อ	י כו	4	ว่ม	9	mil	ત્ મુ/ ફ	างใน่	ย่อลดน์	วลัว			
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		experir	nents, he	started	with a	In one of parental g ere vv and	eneration	NCF	1 M	Ob	70	) .	2n0	1	gen.	. <b>M</b> i	มเมเ	न्ध स्राप	66 A			
		plants	were gg.	The tw	o group	s were cro	ssbred so								V.							
	that each pea plant in the first generation was gy. In the second generation, each pea plant was equally likely to inherit a y or a g gene from each first gen-				γ=	1	44	ر ک	19,	94	1											
		randon	nly choses	n pea pl		bability P ne second g											_					
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	1.4						ents $A_1, \dots$															
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most significant results was the conclusion that genes determining different characteristics are transmitted independently. In pea plants, Mendel found that round peas are a dominant trait over wrinkled peas. Mendel crossbred a group of $(rr, yy)$ peas with a group of $(ww, gg)$ peas. In this notation, $rr$ denotes a pea with two "round" genes and $ww$ denotes a pea with two "wrinkled" genes. The first generation were either $(rw, yg)$ , $(rw, gy)$ , $(wr, yg)$ , or $(wr, gy)$ plants with both hybrid shape and hybrid color. Breeding among the first generation yielded second-generation plants in which genes for each characteristic were equally likely to be either dominant or recessive. What is the probability $P[Y]$ that a second-generation pea plant has yellow seeds? What is the probability $P[R]$ that a second-generation plant has round peas? Are $R$ and $Y$ independent events? How many visibly different kinds of pea plants would Mendel observe in the second generation? What are the probabilities of each of these kinds?	Punnett - square Method  ry rg wy wg  ry rryg rryg rwyy rwyg  rs rrgy rrgg rwgy rwgg  wy wr wryg wwyy wwyg  wg wr wrgg wwyy wwgg  * r in w uai y in g *
	yellow peas P[R] = prob et round peas
P[G] = Prob of  G = { rrgg, wrgg, rwg  P[G] = 4/12 = 1/4  9=16 P[Y] = 1 - P[G]  (2) W = { wwyy, wwgg, wh	gg ) wwgg ]  at 24 PLY] = 3/4
P[N] = 4/1b = 1/4	
4:78 P[R]= 1-P[W]  3) 4278 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	iou vio P[RY] = P[YE] - P[Y]P[R]  WWYY, WWGY, YWGG, WWGG, WWGG  P[RY] = 1-3/16 = 9/16
itioran PERYJ=PEY	NJ = 1/14
แล: P[Y]P[R] = (3) กรนอื่อนใบรารเป็นอิสร:6	$(\frac{3}{4}) = \frac{9}{16}$





