

DIHYBRID:  $\sum \frac{(O-E)^2}{E} \quad df = 4 - 1 = 3$

OBS	EXP
253	264
89	88
97	88
31	29
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470	$470 \cdot (9/16) =$
	$470 \cdot (3/16) =$
	$470 \cdot (1/16) =$

$$\sum = \frac{(253-264)^2}{264} + \frac{(89-88)^2}{88} + \frac{(97-88)^2}{88} + \frac{(31-29)^2}{29}$$

$$= 0.458 + 0.0113 + 0.920 + 0.138$$

$$= 1.527 \quad \text{accept}$$

MONOHYBRID:  $\sum \frac{(O-E)^2}{E} \quad df = 2 - 1 = 1$

OBS	EXP
467	473
163	158
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630	$630 \cdot (3/4) = 473$
	$630 \cdot (1/4) = 158$

$$\sum = \frac{(467-473)^2}{473} + \frac{(163-158)^2}{158}$$

$$= 0.076 + 0.158$$

$$= 0.234 \quad \text{accept}$$