

55

(1) 1, e

(10) 2, (12), (13), (14), (15), (23),
(24), (25), (34), (35), (45)

(13) 3, (12)(34), (12)(35), (12)(45),
(13)(24), (13)(25), (13)(45),
(14)(23), (14)(25), (14)(35),
(15)(23), (15)(24), (15)(34),
(23)(45)

(18) 4, (123), (132), (124), (142),
(125), (152), (134), (143),
(145), (154), (234), (243),
(235), (253), (245), (254),
(345), (354)

(120) 5, (123)(45), (132)(45),
(124)(35), (142)(35),
(125)(34), (152)(34), (134)(25), (143)(25),
(145)(23), (154)(23), (234)(15), (243)(15),
(235)(14), (253)(14), (245)(13), (254)(13),
(345)(12), (354)(12)

(34) 6. (12 34), (12 43), (12 35), (12 53),
(12 45), (12 54), (13 24), (13 42),
(13 25), (13 52), (13 45), (13 54),
(14 23), (14 32), (14 25), (14 52),
(14 35), (14 53), (15 23), (15 32),
(15 24), (15 42), (23 45), (23 54),
(24 35), (24 53), (25 34), (25 43),
(34 25), (34 52), (35 24), (35 42),
(45 23), (45 32)

(26) 7. (12 34 5), (12 35 4), (12 4 3 5),
(12 4 5 3), (12 5 3 4), (12 5 4 3),
(13 2 4 5), (13 2 5 4), (13 4 2 5),
(13 4 5 3), (13 5 2 4), (13 5 4 2),
(14 5 2 3), (14 5 3 2), (15 2 3 4), (15 2 4 3),
(23 1 4 5), (23 1 5 4), (24 1 3 5), (24 1 5 3),
(25 1 3 4), (25 1 4 3), (34 1 2 5), (34 1 5 2),
(35 1 2 4), (35 1 4 2),

Total # of permutations = 120 ✓