

$$\begin{aligned} \text{col } 1 &= \text{col } 4 + \text{col } 5 = \text{col } 10 + \text{col } 11 + \text{col } 12 + \text{col } 13 = \text{col } 14 + \text{col } 16 + \text{col } 17 + \text{col } 18 = \text{col } 20 + \text{col } 21 + \text{col } 22 = \text{col } 49 + \text{col } 50 + \text{col } 51 \\ \text{col } 34 &= \text{col } 38 + \text{col } 39 \\ \text{col } 40 &= \text{col } 43 + \text{col } 44 + \text{col } 45 + \text{col } 46 \end{aligned}$$