

$$\begin{aligned}
 |\vec{V}(d_1)| &= \sqrt{(13.1 * 13.1) + (3.0 * 3.0) + (2.3 * 2.3) + (17.7 * 17.7) + (0.5 * 0.5) + (1.2 * 1.2)} \\
 &= 22.38
 \end{aligned}$$