11×1100 = max x; =) 4×112 = √m 11×1100 1

1) $\|X\|_2 = \sqrt{\sum_i X_i^2} \le \sqrt{m \cdot \max_i X_i^2} = \sqrt{m} \cdot \max_i X_i$

2) NAH 2 = max NAXH2 = 6, MAN MAN = max MAXMos < max / 2 6; = 5 / 6, eeu 6, > 62 > ... => => 11 All == = \(\in \) 11 All = 1