Step 03:

V3 = U3 - Projw2 U3

tep 04:

14 - 44 - Projus U4

 $V_{4} = 44 - 244, v_{1} \times v_{1} - 244, v_{2} \times v_{2} = 244, v_{3} \times v_{3}$   $||v_{1}||^{2} \qquad ||v_{2}||^{2} \qquad ||v_{3}||^{2}$