$$||u_1|| = 1$$
, $||u_2|| = \sqrt{2}$, $||u_3|| = \sqrt{2}$
Consequently, normalizing $||u_1|| ||u_2|| ||u_3|| = \sqrt{2}$
 $||u_1|| = ||u_1|| = (0, 1/0) = (0, 1/0)$
 $||u_1|| = ||u_1|| = (0, 1/0) = (0, 1/0)$
 $||u_2|| = ||u_3|| = (1, 0, 1/0) = (1, 0, 1/0)$
 $||u_3|| = ||u_3|| = (1, 0, 1/0) = (1, 0, 1/0)$
 $||u_3|| = ||u_3|| = ||u_3|| = (1, 0, 1/0)$

S = {V1, V2, V3} "u Orthogonal (V1, V2) = (V1, V3) = (V2, V3) = 0 Orthonormal ||V1|| = ||V2|| = ||V3||

In an inner product space, A basis consisting of orthonormal vectors is called an Orthonormal Dections. basis.

A basis consisting of orthogonal vectors