Check Orthogonal Bases for 
$$Q = \{\overrightarrow{n}, \overrightarrow{1}, \cdots, \overrightarrow{7}\}$$

whether  $Q$ : is orthonormal  $= \{\overrightarrow{q}, \overrightarrow{q}, \cdots, \overrightarrow{7}\}$  and  $Q = \{\overrightarrow{n}, \overrightarrow{1}, \cdots, \overrightarrow{7}\}$  by whether  $Q$ : is orthogonal basis for subspace  $S \subset R^m$ , for  $\overrightarrow{v} \in S$ 
 $\overrightarrow{v} = C \cdot \overrightarrow{q} + C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} = C \cdot \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} + \cdots + C \cdot n \overrightarrow{q} + \cdots +$