Join selectively (Jc)

\[ JS = \frac{|R \bowtie S|}{|R \times S|} = \frac{|R \bowtie S|}{|R||S|} \]

If (c doesn't exist)
    Then \( JS = 1 \).
If no tuples from the relations satisfy the condition C,
    then \( JS = 0 \).

Usually, \( 0 < JS < 1 \).

So, total size of resulting file after join is

\[ |(R \bowtie C \bowtie S)| = JS \cdot |R||S| \]

JOIN operation that consists of

1. Nested-loop join
\[ CJ1 = |R| \cdot |R \bowtie S| + (GJS \cdot |R||S|)/bs(RS) \]
Here we use R for outer loop

2. Single loop join
Using access structure to retrieve matching records