Flowchart Offices

end

Carpet cost ← total area carpeted \* carpet unit price

Number of offices processed ←   
number of offices processed +1

Total area carpeted ←   
(length \* width)

Read in length  
Read in width

Prompt the user and ask for length and width

While number of offices < number of offices to be processed.

Read in carpet unit price

Prompt the user and ask for carpet unit price

Read in number of offices to be processed

Prompt the user and ask for offices to be processed.

Number of offices processed ← 0  
total area carpeted ← 0

start

Pseudo-code

Start of algorithm for offices   
 1. Number of offices processed = 0  
 2. Total area carpeted = 0  
 3. Prompt the user and ask for number of offices to be processed  
 4. Read in number of offices to be processed  
 5. Prompt the user and ask for carpet unit price  
 6. Read in carpet unit price  
 7. While number of offices < number of offices to be processed  
 8. Prompt the user and ask for length and width  
 9. Read in length  
 10. Read in width  
 11. Total area carpeted = (length \* width)  
 12. Number of offices processed = Number of offices processed + 1  
13. Carpet cost = total area carpeted \* carpet unit price  
14. Return  
End of algorithm for offices