Stack permutation

class Solution {

public boolean validateStackSequences(int[] pushed, int[] popped)

{

Stack<Integer> st=new Stack<>();

int push=0,pop=0;

while(push<pushed.length)

{

while(!st.isEmpty() && pop<popped.length && st.peek()==popped[pop])

{

st.pop();

pop++;

}

st.push(pushed[push++]);

}

while(!st.isEmpty() && pop<popped.length && st.peek()==popped[pop])

{

st.pop();

pop++;

}

if(!st.isEmpty())

{

return false;

}

else

{

return true;

}

}

}