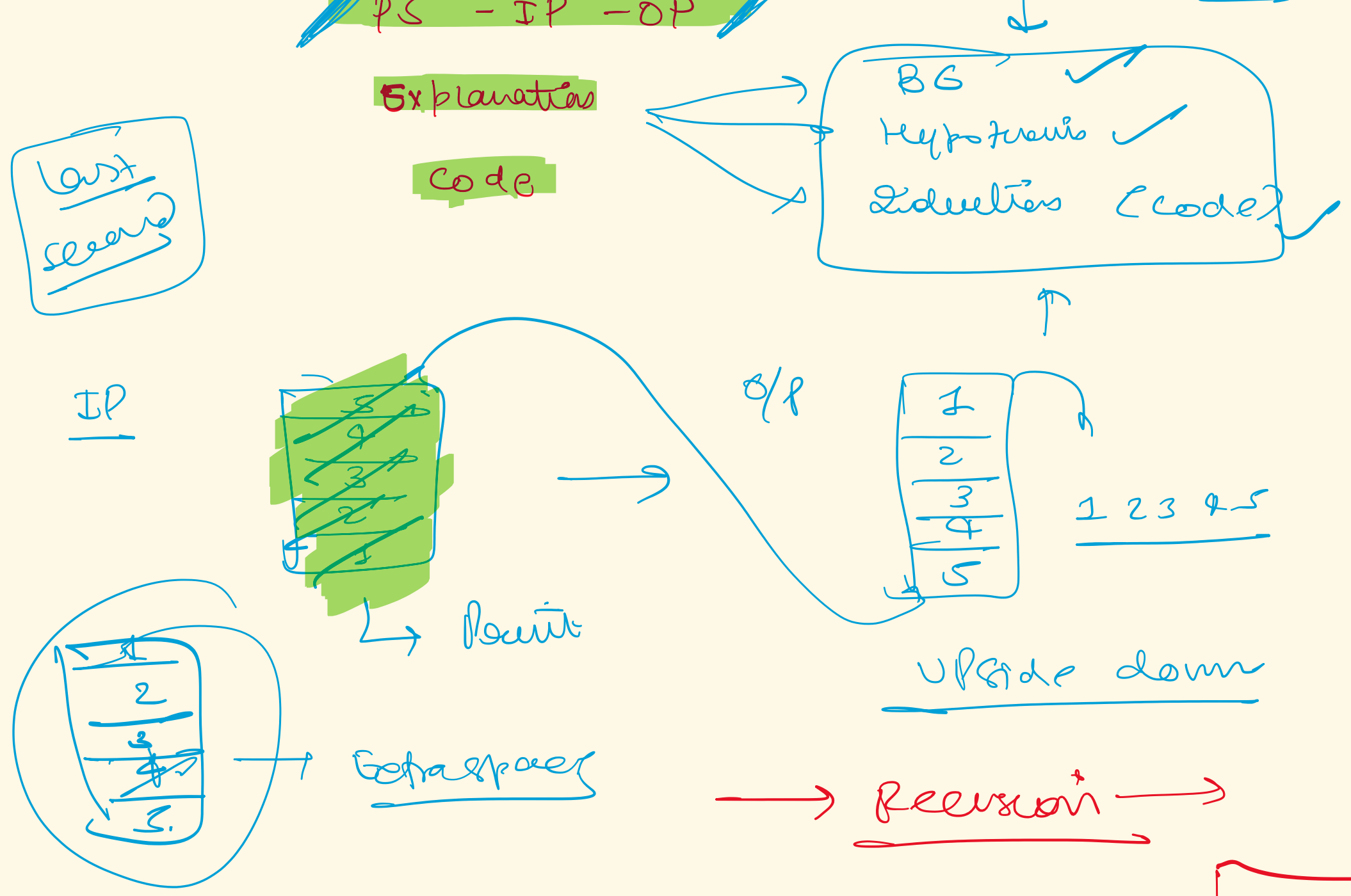


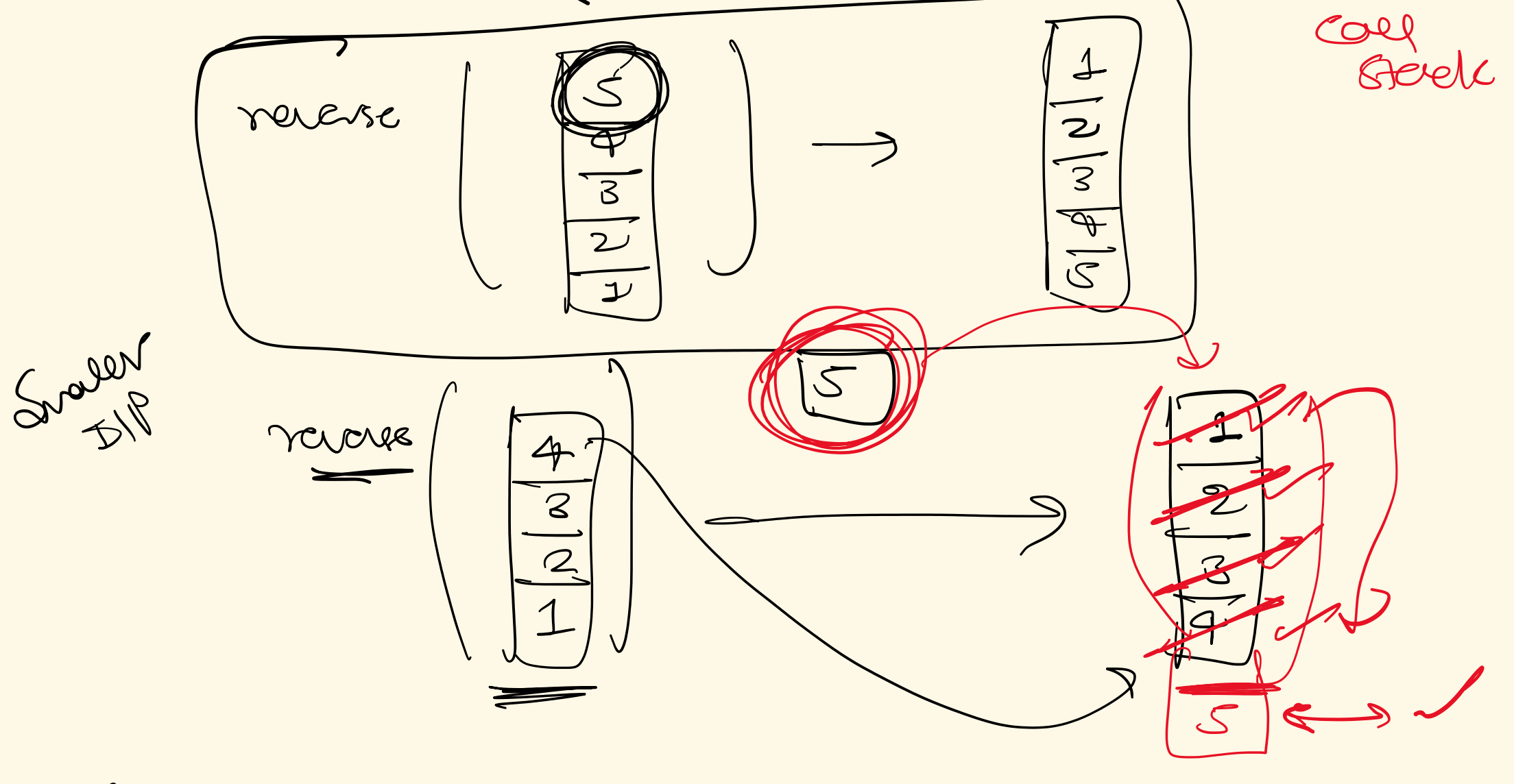
Reverse a Stack

Flow :

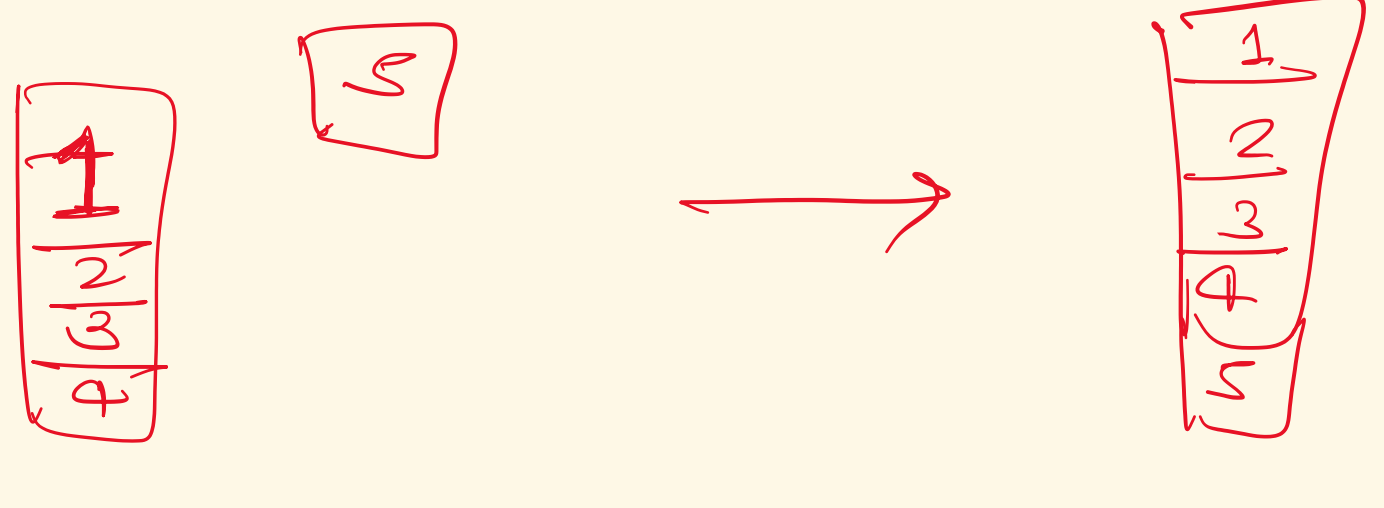


1) Hypothesis

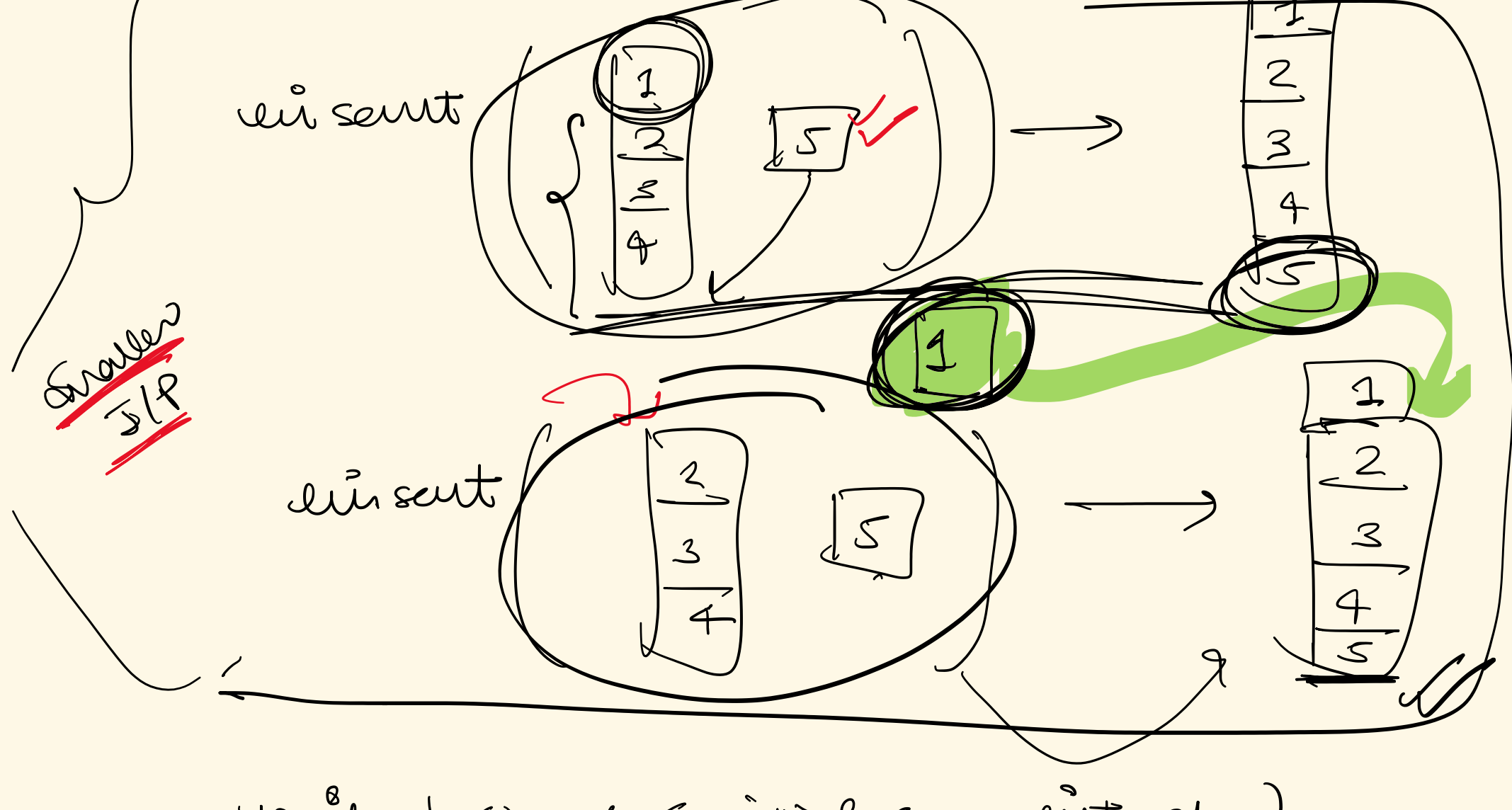
reverse (s)



Induction Recursive
 Problem (New Problem)



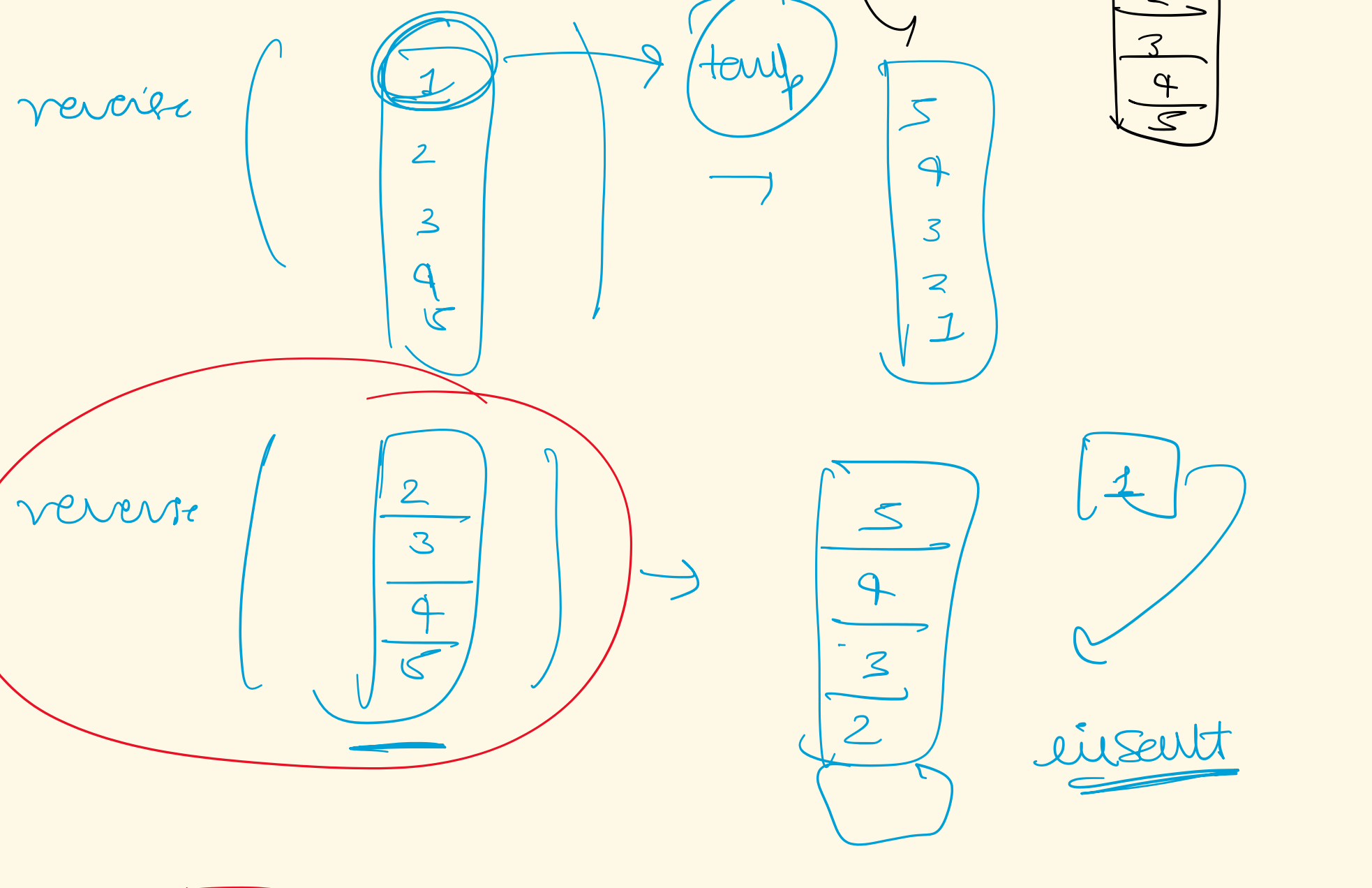
Hypothesis



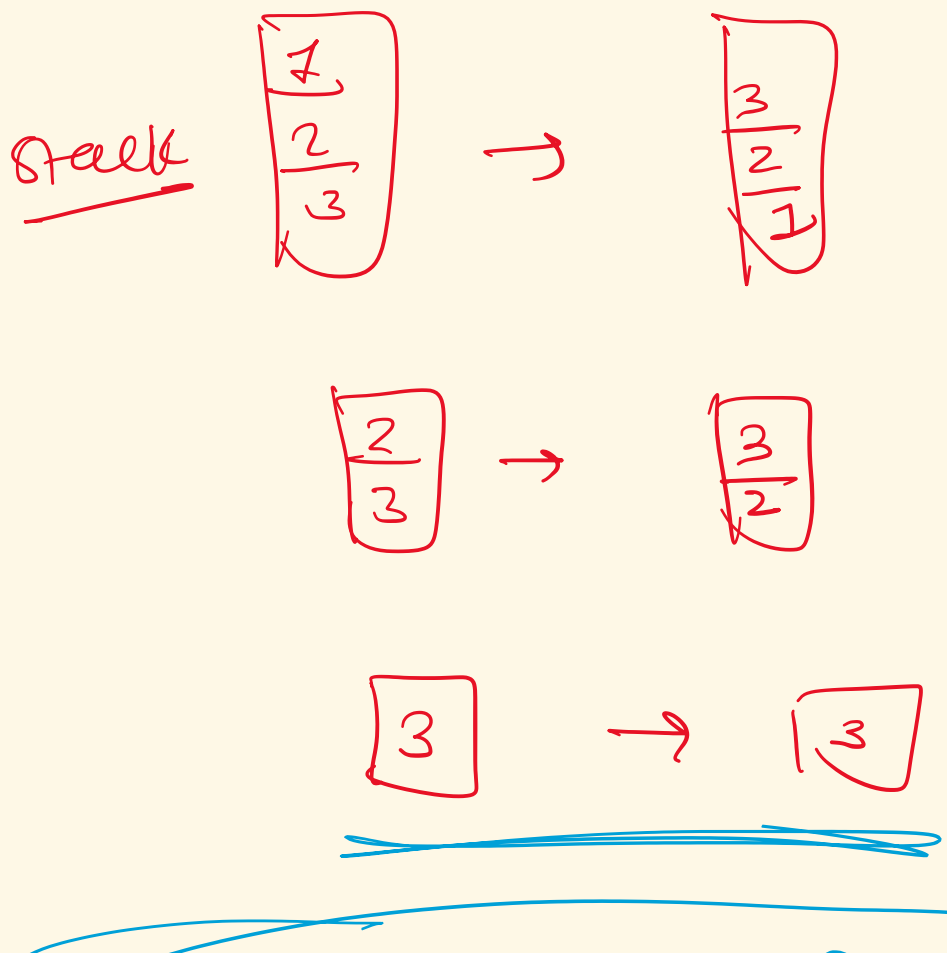
void (stack <int> &s, int ele)

```

{
    if (s.size() == 0)
    {
        s.push(ele);
        return;
    }
    int temp = s.top();
    s.pop();
    reverse(s, ele);
    s.push(temp);
}
    
```



if (s.empty())
 return;



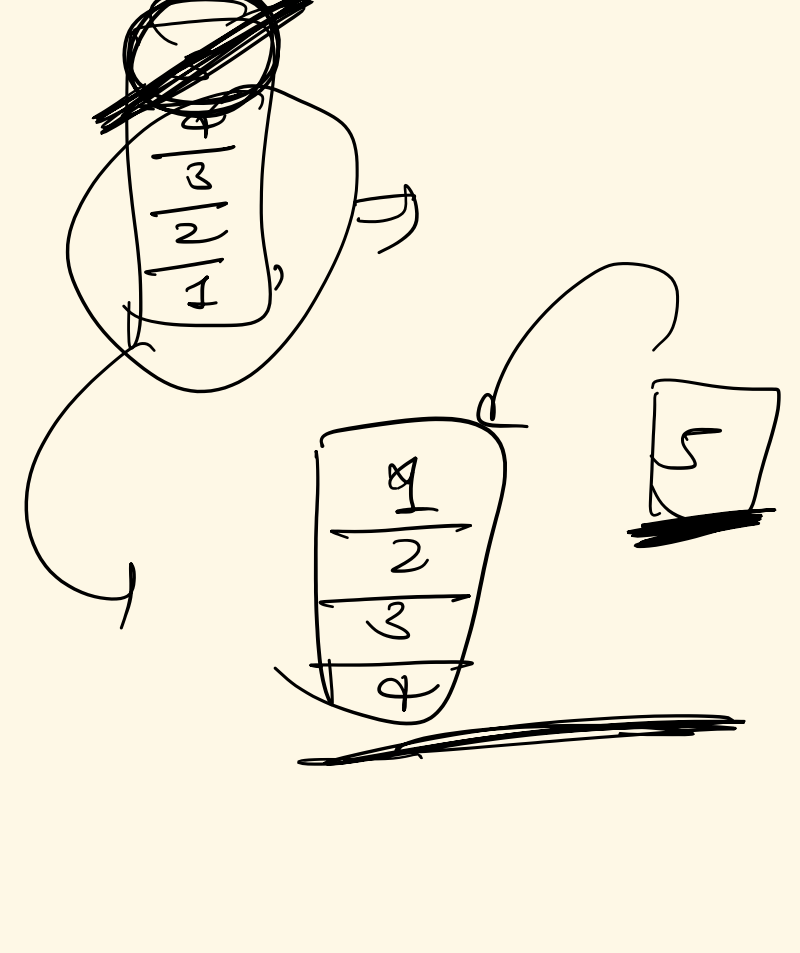
if (s.size() == 1)
 return;

void reverse (stack <int> &s)

```

{
    if (s.size() == 1)
        return;

    int temp = s.top();
    s.pop();
    reverse(s);
    s.push(temp);
}
    
```



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 Notes

Thanks

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