

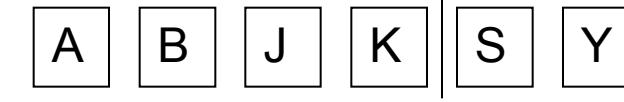
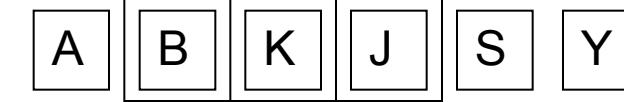
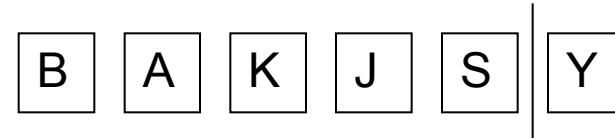
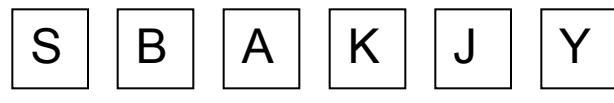
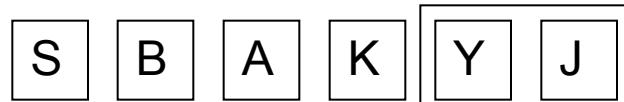
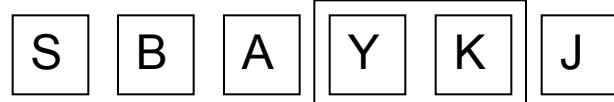
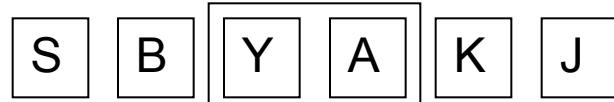
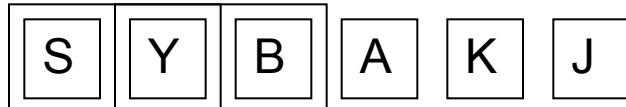
Сортировка Вставками

tmp

Y	B	A	K	J	
S	Y	B	A	K	J
B	S	Y	A	K	J
A	B	S	Y	K	J
A	B	K	S	Y	J
A	B	J	K	S	Y

```
public void InsertSort()
{ int i, j;
  int tmp;
  bool eoc;
  for (i=1;i<N;i++)
  { tmp=A[i];
    j=i-1;
    eoc=false;
    while (!eoc)
    { if (j < 0)
        eoc = true;
      else
        if (A[j] < tmp)
          eoc = true;
        else
          { A[j+1]=A[j];
            j=j-1;
          }
      }
    A[j+1]=tmp;
  }
```

Сортировка Пузырек



```
public void BubbleSort(int h)
{ int i, j, Margin;
  int tmp;
  bool Finish;
  Margin = N - h-1;
  j = Margin;
  do
  { Finish=true;
    for (i = 0; i <= Margin; i++)
    { if (A[i] > A[i + h])
      { tmp = A[i];
        A[i] = A[i + h];
        A[i + h] = tmp;
        j = i;
        Finish = false;
      }
    }
    Margin = j - h;
  }
```

```
public void Shell()
{
    int h;
    h = N / 2;
    while (h>0)
    {
        BubbleSort(h);
        h = h / 2;
    }
}
```

```
public int DSearch(string _SI)
{ int left, middle, right;
  int SI;
  if (Int32.TryParse(_SI, out SI))
  { left = 0;
    right = N - 1;
    while (left < right)
    { middle = (left + right) / 2;
      if (A[middle] < SI)
        left = middle + 1;
      else
        right = middle;
    }
    if (A[right] == SI)
      return right;
    else
      return -1;
  }
  return -1;
}
```