```
FIND MAX CROSSING SUBARRAY (A; low; mid; high)
        left sum = -inf
2.
        sum = 0
       for i = mid downto low
3.
4.
        sum = sum + A[i]
5.
        if sum > left sum
                left sum = sum
6.
7.
                \max left = i
       right sum = -inf
8.
       sum = 0
9.
10.
       for j = mid + 1 to high
11.
        sum = sum + A[j]
12.
        if sum > right sum
13.
                right sum = sum
                \max right = j
14.
15. return (max left; max right; left sum + right sum)
FIND MAXIMUM SUBARRAY (A; low; high)
1.
        if high == low
2.
                return (low; high;A[low])
3.
        else
4.
                mid = (low + high) = 2
5.
       (left low; left high; left+sum) = FIND-MAXIMUM-SUBARRAY(A;
low; mid)
        (right low; right high; right sum) = FIND-MAXIMUM-SUBARRAY(A;
mid + 1; high)
        (cross low; cross high; cross sum) = FIND-
MAX CROSSING SUBARRAY(A; low; mid; high)
8.
        if left sum >= right sum and left sum >= cross sum
9.
                return (left low; left high; left sum)
10. else if (right sum >= left sum and right sum >= cross sum)
                return (right low; right high; right sum)
12. else
13.
                return (cross low; cross high; cross sum)
FIND MAXIMUM SUBARRAY (A)
1.
       \max sum = 0;
2.
       \max left = -1
3.
       \max right = -1
4.
        For i = 1 to n
5.
                For j = i to n
6.
                        sum = 0;
7.
                        For k = i to j
8.
                                sum += A[k];
9.
                                 if (sum > max sum)
10.
                                         max sum = sum;
11.
                                         \max left = i
12.
                                         max right = j
13. return (max left; max right; max sum)
```

```
FIND MAXIMUM SUBARRAY (A)
       \max sum = 0;
        max left = -1
2.
       max_right = -1
3.
4.
        For i = 1 to n
5.
                 sum = 0
5.
                 For j = i to n
                         sum += A[j];
8.
                         if (sum > max_sum)
9.
10.
                                 max sum = sum;
11.
                                  \max left = i
12.
                                  \max right = j
13. return (max_left; max_right; max_sum)
FIND MAXIMUM SUBARRAY (A)
       \max sum = 0
1.
2.
        \max left = -1
3.
        \max right = -1
4.
        maximum = 0;
        maximum left = -1
5.
        For i = 0 to n
6.
7.
                 if ( maximum + A[i] > 0)
8.
                         maximum = maximum + A[i]
9.
                 else
10.
                         maximum left = i+1
11.
                 if( max sum < maximum)</pre>
12.
                         max sum = maximum
13.
                         max left = maximum left
14.
                         max right = i
```

return (max left; max right; max sum)

15.