

# HKOI 2008 Junior

October 13, 2007

## Section A

1	C	C	C	B	C
6	B	A	D	A	C
11	A	D	C	C	D
16	D	B	B	A	C
21	A	D	D	C	D
26	C	B	A	D	D

## Section B

	Pascal version	C version
A	$1+2+3-(n+1)-(n+2)$	$1+2+3-(n+1)-(n+2)$
B	2222002211	
C	$2(4(FT)TT)$	
D	$4(FT)4(FFT)$	
E	$n \bmod 1000 * 1000 + n \operatorname{div} 1000$	$n \% 1000 * 1000 + n / 1000$
F	$(A[i] + \text{average} * i) / (i + 1)$	$(A[i] + \text{average} * i) / (i + 1)$
G	cnt + 1	cnt + 1
H	$6 - \text{abs}(4 - i)$	$6 - \text{abs}(4 - i)$
I	$i * i < > \text{num}$	$i * i ! = \text{num}$
J	$(12 - i) \bmod 7 + 1$	$(11 - i) \% 7$
K	11	
L	$F[k] := F[k] + 1;$	$++F[k];$
M		10
N		while (i < n)

p.s. #11 is impossible for Pascal version , so cancelled.