Programmierung WS 18 Hausaufgaben - Blatt 1

HA₂

a)

i)

HA 4

CODE

HA₆

$$< x \ge 0 >
< x \ge 0 \land -x \le 0 \land -x = -x \land x = x >
res = -x;
< x \ge 0 \land res \le 0 \land res = -x \land x = x >
c = x;
< x \ge 0 \land res \le 0 \land res = -x \land c = x >
< res = -x + \sum_{c+1}^{2} 2k \lambda c \geq 0 >
while(c > 0)
< res = -x + \sum_{k=x}^{2} 2k \lambda c \geq 0 \lambda c > 0 >
< res + 2 * c = -x + \sum_{k=x}^{2} 2k \lambda c - 1 \geq 0 >
res = res + 2 * c;
< res = -x + \sum_{c-1+1}^{2+1} 2k \lambda c - 1 \geq 0 >
c = c - 1;
< res = -x + \sum_{k=x}^{2+1} 2k \lambda c \geq 0 >
}
< res = -x + \sum_{k=x}^{2+1} 2k \lambda c \geq 0 \lambda \cap(c > 0) >
< res = -x + \sum_{k=x}^{2+1} 2k \lambda c \geq 0 \lambda \cap(c > 0) >
< res = -x + \sum_{k=x}^{2+1} 2k \lambda c \geq 0 \lambda \cap(c > 0) >
< res = -x + \sum_{k=x}^{2+1} 2k >$$