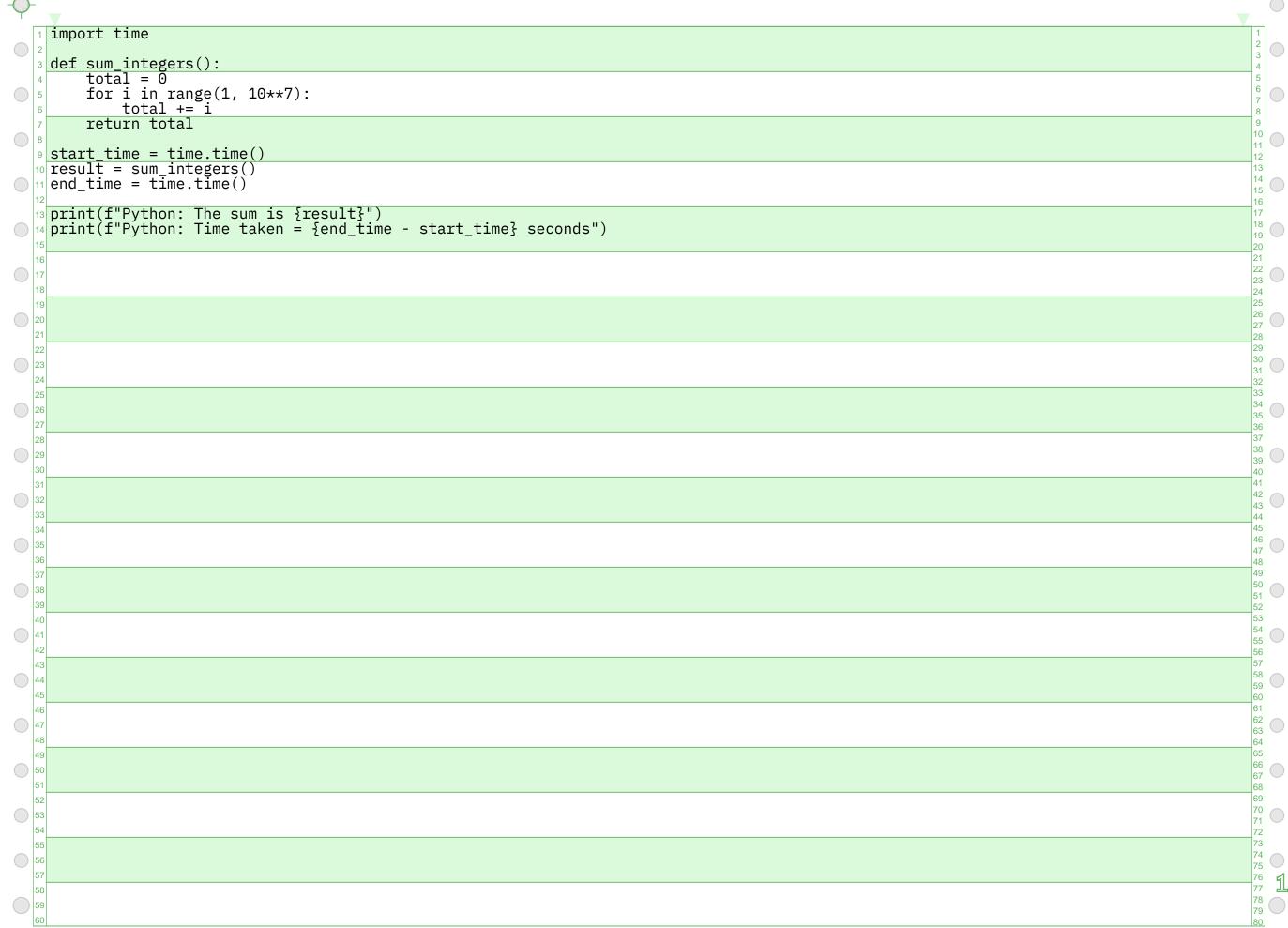
DATE: 14-02-2025 16:35:11 USER: MAINT JOB: PERFORM PAGE: 0000 FILE NAME/TYPE= STDIN PERFORM MAINT PERFORM MAINT MAINT PERFORM CREATION DATE/TIME= 14-02-2025 16:35:11 **PERFORM** MAINT PERFORM MAINT FILE= 001 PAGES= 0001 LINES= 000015 **PERFORM** MAINT SYSTEM= LINUX(6.11.2-AMD64) PERFORM MAINT PERFORM MAINT SYSID= ACID SYSUSER= ACID PERFORM MAINT **PERFORM** MAINT PERFORM MAINT FORM= STANDARD **PERFORM** MAINT PERFORM MAINT CHAR= FONTMONO 17 PERFORM MAINT PERFORM PRT1403 VERSION= 1.3 MAINT М М AAA IIIIII NN TTTTTTT MM MM AAAAA IIIIII NN NN TTTTTTT MMM MMM AA II NNN NN TT AΑ II MMMM MMMM AA NNNN NN TT AA NN NN NN MM MMM AA II TT М MM AAAAAAAA NN NN TT MM ΙI NN MM AAAAAAAA MM IINN NNNN TT MM MM AA AA IINN NNN TT TT MM MM AA AA IIIIII NN NN MM MM AA IIIIII NN TT 42 PPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 0000000 RRRRRRR PPPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 00000000 RRRRRRRR MM MM RR MMM PP EE RR RR FF 00 00 RR MMM PP EE RR RR FF 00 RR RR MMMM MMMM 00 PPPPPPPP EEEEEEEE RRRRRRRR FFFFFFF 00 OO RRRRRRRR MM MMM MM PPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 00 00 RRRRRRR MM RR RR RR FF 00 00 RR MM MM PP FF EE RRRR MM MM RR 00 00 RR EEEEEEEE RR RR FF 00000000 RR RR MM MM EEEEEEEE RR RR FF 0000000 RR MM MM 00000 00000 11 0000000 0000000 00 00 00 00 111 11 00 00 00 00 11 00 00 00 00 11 00 00 00 00 11 00 00 00 00 00 00 00 11 111111 0000000 0000000 00000 00000 111111

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DATE: 14-02-2025 16:35:11 USER: MAINT JOB: PERFORM PAGE: 0000 FILE NAME/TYPE= STDIN PERFORM MAINT PERFORM MAINT MAINT PERFORM CREATION DATE/TIME= 14-02-2025 16:35:11 **PERFORM** MAINT PERFORM MAINT FILE= 002 PAGES= 0001 LINES= 000018 **PERFORM** MAINT SYSTEM= LINUX(6.11.2-AMD64) PERFORM MAINT PERFORM MAINT SYSUSER= ACID PERFORM MAINT SYSID= ACID **PERFORM** MAINT PERFORM MAINT FORM= STANDARD **PERFORM** MAINT PERFORM MAINT CHAR= FONTMONO 17 PERFORM MAINT PERFORM PRT1403 VERSION= 1.3 MAINT М М AAA IIIIII NN TTTTTTT MM MM AAAAA IIIIII NN NN TTTTTTT MMM MMM AA II NNN NN TT AΑ II MMMM MMMM AA NNNN NN TT AA NN NN NN MM MMM AA II TT М MM AAAAAAAA NN NN MM ΙI NN MM AAAAAAAA MM IINN NNNN TT MM MM AA AA IINN NNN TT TT MM MM AA AA IIIIII NN NN MM MM AA IIIIII NN TT 42 PPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 0000000 RRRRRRR PPPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 00000000 RRRRRRRR MM MM RR MMM PP EE RR RR FF 00 00 RR MMM PP EE RR RR FF 00 RR RR MMMM MMMM 00 PPPPPPPP EEEEEEEE RRRRRRRR FFFFFFF 00 OO RRRRRRRR MM MMM MM PPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 00 00 RRRRRRR MM RR RR RR FF 00 00 RR MM MM PP FF EE RRRR MM MM RR 00 00 RR EEEEEEEE RR RR FF 00000000 RR MM MM EEEEEEEE RR RR FF 0000000 RR MM MM 00000 00000 222222 0000000 0000000 22222222 00 22 22 00 00 00 22 00 00 00 00 22 00 00 00 00 00 00 00 00 22 22 00 00 00 00 00 00 00 22 2222222 0000000 0000000 00000 00000 22222222

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program performance_test implicit none integer :: i, total real(8) :: start_time, end_time total = 0call cpu_time(start_time) do i = 1, 10000000 total = total + i end do call cpu_time(end_time) print *, "Fortran: The sum is ", total
print *, "Fortran: Time taken = ", end_time - start_time
end program performance_test 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59

PAGE: 0001

DATE: 14-02-2025 16:35:11 USER: MAINT JOB: PERFORM PAGE: 0000 FILE NAME/TYPE= STDIN PERFORM MAINT PERFORM MAINT MAINT PERFORM CREATION DATE/TIME= 14-02-2025 16:35:11 **PERFORM** MAINT PERFORM MAINT FILE= 003 PAGES= 0001 LINES= 000022 **PERFORM** MAINT SYSTEM= LINUX(6.11.2-AMD64) PERFORM MAINT PERFORM MAINT SYSUSER= ACID PERFORM MAINT SYSID= ACID **PERFORM** MAINT PERFORM MAINT FORM= STANDARD **PERFORM** MAINT PERFORM MAINT CHAR= FONTMONO 17 PERFORM MAINT PERFORM PRT1403 VERSION= 1.3 MAINT М М AAA IIIIII NN TTTTTTT MM MM AAAAA IIIIII NN NN TTTTTTT MMM MMM AA II NNN NN TT AΑ II MMMM MMMM AA NNNN NN TT AA NN NN NN MM MMM AA II TT М MM AAAAAAAA NN NN MM ΙI NN MM AAAAAAAA MM IINN NNNN TT MM MM AA AA IINN NNN TT TT MM MM AA AA IIIIII NN NN MM MM AA IIIIII NN TT 42 PPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 0000000 RRRRRRR PPPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 00000000 RRRRRRRR MM MM RR MMM PP EE RR RR FF 00 00 RR MMM PP EE RR RR FF 00 RR RR MMMM MMMM 00 PPPPPPPP EEEEEEEE RRRRRRRR FFFFFFF 00 OO RRRRRRRR MM MMM MM PPPPPPP EEEEEEEE RRRRRRR FFFFFFFF 00 00 RRRRRRR MM RR RR RR FF 00 00 RR MM MM PP FF EE RR RRMM MM RR 00 00 RR EEEEEEEE RR RR FF 00000000 RR MM MM EEEEEEEE RR RR FF 0000000 RR MM MM 00000 00000 3333333 0000000 0000000 33333333 00 00 00 00 33 33 33 00 00 00 00 00 00 00 00 333 333 00 00 00 00 00 00 33 00 00 00 00 00 33 33 33333333 0000000 0000000 00000 00000 3333333

#include <stdio.h> 2 #include <time.h> int main() { long i; long total = 0; clock_t start_time, end_time; start_time = clock(); for (i = 1; i < 10000000; i++) { total += i; end_time = clock(); 20 21 22 23 24 25 26 27 printf("C: The sum is %ld\n", total);
printf("C: Time taken = %lf seconds\n", (double)(end_time - start_time) / CLOCKS_PER_SEC); return 0; 28 29 30 31 32 33 34 35 41 42 43

PAGE: 0001