

1000	fe,01,01,13	add sp,sp,-32
1004	00,11,2e,23	sw ra,28(sp)
1008	00,50,07,93	li a5,5
1012	00,f1,26,23	sw a5,12(sp)
1016	00,60,07,93	li a5,6
1020	00,f1,24,23	sw a5,8(sp)
1024	00,81,25,83	lw a_,_____
1028	00,c1,25,03	lw a0,_____
1032	05,00,00,ef	jal _____
1036	00,05,07,93	mv __,___
1040	00,07,85,93	mv __,___
1044	00,c1,25,03	lw a0,_____
1048	01,c0,00,ef	jal _____
1052	00,a1,22,23	sw a_,_____
1056	00,41,27,83	lw a5,4(sp)
1060	00,07,85,13	mv a0,a5
1064	01,c1,20,83	lw ra,28(sp)
1068	02,01,01,13	add sp,sp,32
1072	00,00,00,67	ret

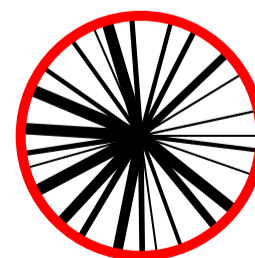
```
int main(void) {
    int x = 5;
    int y = 6;
    int r = multiply(x, add(x,y));

    return r;
}
```

1076	ff,01,01,13	add sp,sp,-16
1080	00,a1,26,23	sw a0,12(sp)
1084	00,b1,24,23	sw a1,8(sp)
1088	00,c1,27,03	lw a4,12(sp)
1092	00,81,27,83	lw a5,8(sp)
1096	02,f7,07,b3	mul a5,a4,a5
1100	00,07,85,13	mv a0,a5
1104	01,01,01,13	add sp,sp,16
1108	00,00,00,67	ret
1112	ff,01,01,13	add sp,sp,-16
1116	00,a1,26,23	sw a0,12(sp)
1120	00,b1,24,23	sw a1,8(sp)
1124	00,c1,27,03	lw a4,12(sp)
1128	00,81,27,83	lw a5,8(sp)
1132	00,f7,07,b3	add a5,a4,a5
1136	00,07,85,13	mv a0,a5
1140	01,01,01,13	add sp,sp,16
1144	00,00,00,67	ret

```
int multiply(int a, int b) {
    return a * b;
}
```

```
int add(int a, int b) {
    return a + b;
}
```



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