

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 a1,8(sp)
1028	00,c1,25,03	lw a0,12(sp)
1032	05,00,00,ef	jal 1112 # +80
1036	00,05,07,93	mv a5,a0
1040	00,07,85,93	mv a1,a5
1044	00,c1,25,03	lw a0,12(sp)
1048	01,c0,00,ef	jal 1076 # +28
1052	00,a1,22,23	sw a0,4(sp)
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;
}
```

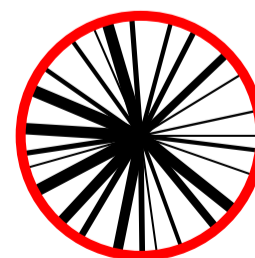
1076	ff,01,01,13	add sp,sp,-16
1080	00,a1,26,23	sw a0,12(sp)
1084	00,b1,24,23	sw a1,8(sp)
1088	00,c1,27,03	lw a4,12(sp)
1092	00,81,27,83	lw a5,8(sp)
1096	02,f7,07,b3	mul a5,a4,a5
1100	00,07,85,13	mv a0,a5
1104	01,01,01,13	add sp,sp,16
1108	00,00,00,67	ret

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

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

1148	00,00,00,00	
1152	00,00,00,00	
1156	00,00,00,00	
1160	00,00,00,00	
1164	00,00,00,00	
1168	00,00,00,00	
1172	00,00,00,00	
1176	00,00,00,00	
1180	00,00,00,00	
1184	00,00,00,00	
1188	00,00,00,00	



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 file: code/l1-call-function-1.c