



Tech Info Library

MPW: Sample Pascal Program of Linked Function

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Security: Everyone

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Here is a sample of a linked function compiled as a code resource:

```
{ $S Wally }
```

```
Unit StrayProcedure;
```

```
Interface
```

```
function Test(t:integer):Integer;
```

```
Implementation
```

```
Function Test(t:Integer):Integer;
```

```
begin
```

```
Test:=t*2;
```

```
end;
```

```
end.
```

{ This sample unit shows how to use MPW Pascal to create a 68000 function that can stand alone. This technique can be used to create stand alone procedures and functions. Here are the commands that you use to compile and link this unit, as well as a disassembly of the resultant file:

```
pascal test
```

```
link -o steve -rt CODE=2 -sn Wally=Main test.o
```

```
dumpcode steve -rt CODE=2
```

File: steve, Resource 2, Type: CODE, Name: Main

Offset of first jump table entry: \$00004E56

Segment is \$00000020 bytes long, and uses 0 jump table entries

000000:	302E 0008	'0...'	MOVE.W	\$0008(A6),D0
000004:	E340	'.@'	ASL.W	#\$1,D0
000006:	3D40 000A	'=@...'	MOVE.W	D0,\$000A(A6)
00000A:	4E5E	'N^'	UNLK	A6
00000C:	205F	'_'	MOVEA.L	(A7)+,A0
00000E:	544F	'TO'	ADDQ.W	#\$2,A7
000010:	4ED0	'N.'	JMP	(A0)
000012:	D445	'E'	ADD.W	D5,D2
000014:	5354	'ST'	SUBQ.W	#\$1,(A4)
000016:	2020	' '	MOVE.L	-(A0),D0
000018:	2020	' '	MOVE.L	-(A0),D0
00001A:	0000 8000	'....'	ORI.B	#\$00,D0

}

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