













rast rou		m (FFT) & DSP
To start and and		with data shuffles
ticular order.	their processing	with data shuffled
		0(000,)
1(001 <sub>2</sub> )	=>	4(100 <sub>2</sub> )
2(010 <sub>2</sub> )	=>	2(010 <sub>2</sub> )
3(011 <sub>2</sub> )	=>	6(110 <sub>2</sub> )
4(100 <sub>2</sub> )	=>	1(001 <sub>2</sub> )
5(101 <sub>2</sub> )	=>	5(101 <sub>2</sub> )
6(110 <sub>2</sub> )	=>	3(011 <sub>2</sub> )
7(111,)	=>	7(111_)

BAS Frequency of addressing modes for TI TMS320C54xDSP				
Immediate	30.02%			
Displacement	10.82%			
Register indirect	17.42%	1		
Direct	11.99%	_		
Autoincrement, preincrement (increment register before using content as address)	0%			
Autoincrement, postincrement (increment register after using content as address)	18.84%			
Autoincrement, preincrement with 16b immediate	0.77%	_		
Autoincrement, preincrement with circular addressing	0.08%	100		
Autoincrement, postincrement with 16b immediate, with circular addressing	0%	_ 63_ ·		
Autoincrement, postincrement by contents of ARO	1.54%			
Autoincrement, postincrement by contents of ARO, with circular addressing	2.15%			
Autoincrement, postincrement by contents of ARO, with bit reverse addressing	0%			
Autodecrement, postdecrement (decrement register after using content as address)	6.08%			
Autodecrement, postdecrement with circular addressing	0.04%			
Autodecrement, postdecrement by contents of ARO	0.16%			
Autodecrement, postdecrement by contents of AR0, with circular addressing	0.08%			
Autodecrement, postdecrement by contents of AR0, with bit reverse addressing	0%	NITTE A		
Total	100%			



