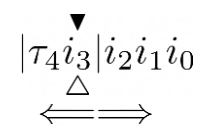


Butterfly Stage



Global Address of $a[m]$

$$m = i_4 i_3 i_2 i_1 i_0$$

$$|i_4 i_3| i_2 i_1 i_0$$

$$P_{10} = P_{i_4 i_3}$$

|10|000

|10|001

|10|010

|10|011

|10|100

|10|101

|10|110

|10|111

a[16]

a[17]

a[18]

a[19]

a[20]

a[21]

a[22]

a[23]

P2 and P3 send each other a copy of their own data

$$P_{11} = P_{i_4 i_3}$$

$$|i_4 i_3| i_2 i_1 i_0$$

a[24]

a[25]

a[26]

a[27]

a[28]

a[29]

a[30]

a[31]

|11|000

|11|001

|11|010

|11|011

|11|100

|11|101

|11|110

|11|111