

Del Valley at DMAC - 2/20/2016

Results

Event 1 Boys 14 & Under 200 Yard Medley Relay

Team	Relay	Seed Time	Finals Time	Points
1 DV Boys 2015	A	2:04.37	2:00.10	6
1) Studsrud, Matt 13 30.47 32.38 30.70	2) Romeo, Justin 14 26.55	3) Riccio, Robert 13	4) Manning, Jonathan 14	
2 Dmac 2015-16-MA	A	37.79	2:03.34	3
1) Kuhar, Logan 12 32.96 33.99 30.37	2) Dukinas, Dennis 13 26.02	3) Szczecinski, Shane 13	4) DeLuna, Bobby 14	
3 DV Boys 2015	B	NT	2:23.78	1
1) Mrozinski, Ryan 14 37.10 41.29 31.23	2) Curabba, Jack 13 34.16	3) Birkland, Brandon 13	4) Mosher, Austin 11	
4 Dmac 2015-16-MA	B	NT	2:35.03	
1) Stambaugh, Logan 13 40.07 48.33 29.68	2) Chapple, Aidan 11 36.95	3) Blockus, Zachary 13	4) DaLomba, Luke 13	

Event 2 Boys 12 & Under 200 Yard Medley Relay

Team	Relay	Seed Time	Finals Time	Points
1 DV Boys 2015	A	2:28.49	2:23.16	6
1) Holderith, Robert 11 34.51 46.74 30.94	2) Jaeger, Cyrus 11 30.97	3) Dong, Evan 12	4) Sussman, Scott 12	
2 Dmac 2015-16-MA	A	2:17.91	2:31.29	3
1) Weaver, Gary 11 38.62 42.53 35.88	2) Manzoni, Tanner 11 34.26	3) Baur, Jakob 10	4) DeLuna, Richard 10	
3 DV Boys 2015	B	NT	3:22.53	1
1) Seidel, Will 9 1:05.49 45.77 17.89	2) Creegan, Aaren 11 1:13.38	3) Langbein, Perry 11	4) Misciagno, Joseph 11	
4 Dmac 2015-16-MA	B	NT	3:30.25	
1) Perrego, Blake 12 50.08 53.91 41.23	2) Walp, Adam 11 1:05.03	3) Stout, John 12	4) Dutko, Christopher 9	

Event 3 Boys 10 & Under 200 Yard Medley Relay

Team	Relay	Seed Time	Finals Time	Points
1 DV Boys 2015	A	2:59.19	2:50.97	6
1) Heath, Keegan 8 45.26 47.80 40.68	2) Corcoran, Alex 9 37.23	3) Manning, Jake 10	4) Jaeger, Cyril 10	
2 Dmac 2015-16-MA	A	2:44.81	3:02.44	3
1) DeLuna, Gabriel 10 44.26 50.96 47.09	2) Daney, Landon 9 40.13	3) Smagin, Artem 9	4) Wilk, Andrew 9	
3 DV Boys 2015	B	NT	3:28.25	1
1) Lockwood, John 10 57.87 45.89 1:06.72	2) Nieves, Eddie 10 37.77	3) McDermott, Evan 10	4) O'Connell, Matt 9	
4 DV Boys 2015	C	NT	x4:19.92	
1) Yablonski, Kyle 10 1:25.71 2:04.35 23.96	2) Quick, Trey 9 25.90	3) Matyushin, Daniel 10	4) Leonawicz, Liam 9	

Event 4 Boys 8 & Under 100 Yard Medley Relay

Team	Relay	Seed Time	Finals Time	Points
1 Dmac 2015-16-MA	A	1:40.75	1:31.67	6
1) Stretanski, Owen 7 44.32 47.35	2) Smigielski, Conner 8	3) Sutterer, Astin 8	4) Greco, Noah 8	
2 Dmac 2015-16-MA	B	2:30.19	2:10.21	3
1) Nikita, Noah 6 1:10.25 59.96	2) Gozikowski, David 6	3) Strauch, Cameron William 8	4) Granville, Quinto 8	

Del Valley at DMAC - 2/20/2016

Results

Event 5 Boys 12 & Under 200 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Holderith, Robert 31.56 36.07 39.65 36.59	11	DV Boys 2015	2:24.88	2:23.87	4
2 Weaver, Gary 33.45 39.13 41.38 40.73	11	Dmac 2015-16-MA	2:29.86	2:34.69	2
3 Sussman, Scott 36.12 1:28.70 41.86 0.02	12	DV Boys 2015	2:56.40	2:46.70	1
4 Stout, John 41.69 44.93 46.01 39.59	12	Dmac 2015-16-MA	2:51.22	2:52.22	

Event 6 Boys 14 & Under 200 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Szczecinski, Shane 29.59 31.98 33.85 32.63	13	Dmac 2015-16-MA	2:07.79	2:08.05	4
2 Manning, Jonathan 30.71 35.36 35.29 35.03	14	DV Boys 2015	2:14.90	2:16.39	2
3 Stambaugh, Logan 1:14.84 1:18.81	13	Dmac 2015-16-MA	2:36.85	2:33.63	1
4 Mrozinski, Ryan 35.31 37.96 41.23 39.54	14	DV Boys 2015	2:37.67	2:34.04	

Event 7 Boys 10 & Under 100 Yard IM

Name	Age	Team	Seed Time	Finals Time	Points
1 Manning, Jake 41.64 46.51	10	DV Boys 2015	1:35.49	1:28.15	4
2 Kuhar, Jackson 40.64 49.01	10	Dmac 2015-16-MA	1:33.74	1:29.65	2
3 DeLuna, Richard 41.64 48.88	10	Dmac 2015-16-MA	NT	1:30.52	1
4 Quick, Trey	9	DV Boys 2015	2:06.38	1:53.28	
5 McDermott, Evan 1:08.02 1:16.28	10	DV Boys 2015	NT	x2:24.30	
--- Dutko, Christopher 1:03.84 1:09.03	9	Dmac 2015-16-MA	NT	DQ	

Event 8 Boys 12 & Under 100 Yard IM

Name	Age	Team	Seed Time	Finals Time	Points
1 Dong, Evan 33.09 38.61	12	DV Boys 2015	1:14.92	1:11.70	4
2 Kuhar, Logan 34.77 41.93	12	Dmac 2015-16-MA	1:19.08	1:16.70	2
3 Manzoni, Tanner 39.48 44.74	11	Dmac 2015-16-MA	1:24.24	1:24.22	1
4 Langbein, Perry 47.30 51.99	11	DV Boys 2015	NT	1:39.29	
5 Chapple, Aidan 47.67 51.78	11	Dmac 2015-16-MA	1:44.51	x1:39.45	

Event 9 Boys 14 & Under 200 Yard IM

Name	Age	Team	Seed Time	Finals Time	Points
1 Romeo, Justin 33.91 37.94 42.57 32.88	14	DV Boys 2015	2:32.46	2:27.30	4
2 Dukinas, Dennis 32.05 40.43 43.08 36.23	13	Dmac 2015-16-MA	NT	2:31.79	2

Del Valley at DMAC - 2/20/2016

Results

(Event 9 Boys 14 & Under 200 Yard IM)

Name	Age	Team	Seed Time	Finals Time	Points
3 Peterkin, Aiden	13	Dmac 2015-16-MA	2:56.46	2:38.51	1
33.36 42.10 47.48 35.57					

Event 10 Boys 8 & Under 25 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Stretanski, Owen	7	Dmac 2015-16-MA	20.41	16.11	4
2 Heath, Keegan	8	DV Boys 2015	15.57	16.35	2
3 Sutterer, Astin	8	Dmac 2015-16-MA	18.20	18.41	1
4 Strauch, Cameron William	8	Dmac 2015-16-MA	23.97	x22.52	
5 Fennstermacher, Ian	6	DV Boys 2015	38.70	36.44	
--- Gozikowski, David	6	Dmac 2015-16-MA	31.34	X31.40	
--- Smulowicz, Alexander	8	Dmac 2015-16-MA	39.45	X33.00	

Event 11 Boys 10 & Under 50 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Kuhar, Jackson	10	Dmac 2015-16-MA	35.78	36.45	4
2 Jaeger, Cyril	10	DV Boys 2015	37.22	38.07	2
3 DeLuna, Gabriel	10	Dmac 2015-16-MA	46.55	42.18	1
4 Graham, Bruce	9	Dmac 2015-16-MA	44.59	x42.36	
5 Nieves, Eddie	10	DV Boys 2015	42.05	43.37	
6 Leonawicz, Liam	9	DV Boys 2015	48.34	x48.90	
--- Seidel, Will	9	DV Boys 2015	56.53	X58.26	
--- Yablonski, Kyle	10	DV Boys 2015	1:12.48	X1:13.11	

Event 12 Boys 12 & Under 50 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Baur, Jakob	10	Dmac 2015-16-MA	29.75	29.77	4
2 Jaeger, Cyrus	11	DV Boys 2015	NT	34.26	2
3 Creegan, Aaren	11	DV Boys 2015	39.98	37.80	1
4 Walp, Adam	11	Dmac 2015-16-MA	38.91	38.60	
5 Perrego, Blake	12	Dmac 2015-16-MA	40.65	x39.13	
6 Misciagno, Joseph	11	DV Boys 2015	39.99	x41.10	

Event 13 Boys 14 & Under 50 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 DeLuna, Bobby	14	Dmac 2015-16-MA	26.34	25.63	4
2 Studsrud, Matt	13	DV Boys 2015	26.01	26.01	2
3 Blockus, Zachary	13	Dmac 2015-16-MA	26.47	26.77	1
4 Riccio, Robert	13	DV Boys 2015	NT	29.21	
5 DaLomba, Luke	13	Dmac 2015-16-MA	37.42	x36.99	

Event 14 Boys 8 & Under 25 Yard Butterfly

Name	Age	Team	Seed Time	Finals Time	Points
1 Heath, Keegan	8	DV Boys 2015	18.35	17.98	4
2 Sutterer, Astin	8	Dmac 2015-16-MA	23.96	24.10	2
3 Granville, Quinto	8	Dmac 2015-16-MA	29.43	24.37	1
4 Strauch, Cameron William	8	Dmac 2015-16-MA	33.24	x39.58	

Event 15 Boys 10 & Under 50 Yard Butterfly

Name	Age	Team	Seed Time	Finals Time	Points
1 DeLuna, Richard	10	Dmac 2015-16-MA	42.18	42.53	4
2 O'Connell, Matt	9	DV Boys 2015	48.08	43.55	2
3 Daney, Landon	9	Dmac 2015-16-MA	NT	47.48	1

Del Valley at DMAC - 2/20/2016

Results

(Event 15 Boys 10 & Under 50 Yard Butterfly)

Name	Age	Team	Seed Time	Finals Time	Points
4 Smagin, Artem	9	Dmac 2015-16-MA	49.44	x47.83	
5 Jaeger, Cyril	10	DV Boys 2015	49.46	54.91	
6 Matyushin, Daniel	10	DV Boys 2015	NT	x1:10.54	

Event 16 Boys 12 & Under 50 Yard Butterfly

Name	Age	Team	Seed Time	Finals Time	Points
1 Dong, Evan	12	DV Boys 2015	32.22	32.21	4
2 Stout, John	12	Dmac 2015-16-MA	42.75	40.93	2
3 Langbein, Perry	11	DV Boys 2015	50.66	50.34	1

Event 17 Boys 14 & Under 100 Yard Butterfly

Name	Age	Team	Seed Time	Finals Time	Points
1 Szczecinski, Shane 31.92 37.73	13	Dmac 2015-16-MA	1:10.55	1:09.65	4
2 Manning, Jonathan 32.81 38.29	14	DV Boys 2015	1:12.46	1:11.10	2
3 Blockus, Zachary 31.96 40.85	13	Dmac 2015-16-MA	1:11.71	1:12.81	1
4 Birkland, Brandon 32.42 43.01	13	DV Boys 2015	1:16.02	1:15.43	

Event 18 Boys 8 & Under 50 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Smigielski, Conner	8	Dmac 2015-16-MA	37.83	37.70	4
2 Stretanski, Owen	7	Dmac 2015-16-MA	37.01	38.09	2
3 Carlozzi, Nico	8	DV Boys 2015	45.98	42.88	1
4 Gozikowski, David	6	Dmac 2015-16-MA	1:11.05	x1:10.19	
5 Smulowicz, Alexander	8	Dmac 2015-16-MA	1:30.02	x1:18.08	
6 Fennstermacher, Ian	6	DV Boys 2015	1:43.00	1:24.96	

Event 19 Boys 10 & Under 100 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Manning, Jake 39.10 39.64	10	DV Boys 2015	1:18.70	1:18.74	4
2 Kuhar, Jackson 39.78 40.82	10	Dmac 2015-16-MA	1:21.24	1:20.60	2
3 Wilk, Andrew 42.19 44.97	9	Dmac 2015-16-MA	1:30.58	1:27.16	1
4 Corcoran, Alex 41.79 46.05	9	DV Boys 2015	1:28.89	1:27.84	
5 Leonawicz, Liam 52.91 1:00.40	9	DV Boys 2015	1:39.63	x1:53.31	
6 Dutko, Christopher 2:23.73	9	Dmac 2015-16-MA	2:23.25	x2:22.56	

Event 20 Boys 12 & Under 100 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Holderith, Robert 30.96 34.81	11	DV Boys 2015	1:04.56	1:05.77	4
2 Baur, Jakob 31.75 34.63	10	Dmac 2015-16-MA	1:09.08	1:06.38	2
3 Weaver, Gary 33.90 39.09	11	Dmac 2015-16-MA	1:12.08	1:12.99	1

Del Valley at DMAC - 2/20/2016

Results

(Event 20 Boys 12 & Under 100 Yard Freestyle)

Name	Age	Team	Seed Time	Finals Time	Points
4 Mosher, Austin 39.37 42.40	11	DV Boys 2015	1:30.51	1:21.77	
5 Walp, Adam 38.84 43.77	11	Dmac 2015-16-MA	1:28.81	x1:22.61	

Event 21 Boys 14 & Under 100 Yard Freestyle

Name	Age	Team	Seed Time	Finals Time	Points
1 Studsrud, Matt 28.65 29.34	13	DV Boys 2015	58.92	57.99	4
2 DeLuna, Bobby 28.90 30.51	14	Dmac 2015-16-MA	1:01.88	59.41	2
3 Peterkin, Aiden 30.79 33.82	13	Dmac 2015-16-MA	1:08.69	1:04.61	1
4 Riccio, Robert 30.40 37.27	13	DV Boys 2015	NT	1:07.67	
5 Curabba, Jack 33.39 38.99	13	DV Boys 2015	1:12.48	x1:12.38	
6 DaLomba, Luke 39.32 46.71	13	Dmac 2015-16-MA	1:25.24	x1:26.03	

Event 22 Boys 8 & Under 25 Yard Backstroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Stretanski, Owen	7	Dmac 2015-16-MA	19.59	19.15	4
2 Carlozzi, Nico	8	DV Boys 2015	23.28	22.90	2
3 Greco, Noah	8	Dmac 2015-16-MA	27.13	27.14	1
4 Nikita, Noah	6	Dmac 2015-16-MA	27.96	x27.52	
5 Smulowicz, Alexander	8	Dmac 2015-16-MA	55.09	x37.96	
6 Fennstermacher, Ian	6	DV Boys 2015	37.26	43.67	

Event 23 Boys 10 & Under 50 Yard Backstroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Smagin, Artem	9	Dmac 2015-16-MA	43.33	40.48	4
2 O'Connell, Matt	9	DV Boys 2015	47.33	46.25	2
3 Lockwood, John	10	DV Boys 2015	46.99	48.71	1
4 Wilk, Andrew	9	Dmac 2015-16-MA	53.95	50.46	
5 Quick, Trey	9	DV Boys 2015	52.21	x53.33	
6 Graham, Bruce	9	Dmac 2015-16-MA	51.16	x54.00	
--- Seidel, Will	9	DV Boys 2015	1:01.24	X1:03.85	
--- Matyushin, Daniel	10	DV Boys 2015	NT	X1:05.28	
--- Yablonski, Kyle	10	DV Boys 2015	1:31.27	X1:30.32	

Event 24 Boys 12 & Under 50 Yard Backstroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Jaeger, Cyrus	11	DV Boys 2015	41.73	41.82	4
2 Creegan, Aaren	11	DV Boys 2015	47.69	46.86	2
3 Perrego, Blake	12	Dmac 2015-16-MA	48.20	49.62	1
4 Misciagno, Joseph	11	DV Boys 2015	57.22	x1:00.36	
--- Kuhar, Logan	12	Dmac 2015-16-MA	33.79	DQ	

Event 25 Boys 14 & Under 100 Yard Backstroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Peterkin, Aiden 1:17.05	13	Dmac 2015-16-MA	1:16.51	1:16.76	4

Del Valley at DMAC - 2/20/2016

Results

(Event 25 Boys 14 & Under 100 Yard Backstroke)

Name	Age	Team	Seed Time	Finals Time	Points
2 Mrozinski, Ryan 39.85 39.21	14	DV Boys 2015	1:20.10	1:19.06	2
3 Birkland, Brandon 41.42 43.89	13	DV Boys 2015	1:23.98	1:25.31	1
4 Stambaugh, Logan 1:25.42 0.08	13	Dmac 2015-16-MA	1:31.96	1:25.50	

Event 26 Boys 8 & Under 25 Yard Breaststroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Smigielski, Conner	8	Dmac 2015-16-MA	28.95	25.93	4
2 Carlozzi, Nico	8	DV Boys 2015	28.33	28.27	2
3 Granville, Quinto	8	Dmac 2015-16-MA	35.60	36.69	1
4 Greco, Noah	8	Dmac 2015-16-MA	NT	x46.85	
--- Nikita, Noah	6	Dmac 2015-16-MA	44.46	X32.38	

Event 27 Boys 10 & Under 50 Yard Breaststroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Corcoran, Alex	9	DV Boys 2015	50.83	49.97	4
2 Lockwood, John	10	DV Boys 2015	51.66	51.05	2
3 Nieves, Eddie	10	DV Boys 2015	51.32	x51.16	
4 DeLuna, Gabriel	10	Dmac 2015-16-MA	46.17	51.45	1
5 Daney, Landon	9	Dmac 2015-16-MA	51.57	52.63	

Event 28 Boys 12 & Under 50 Yard Breaststroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Manzoni, Tanner	11	Dmac 2015-16-MA	43.59	42.51	4
2 Sussman, Scott	12	DV Boys 2015	43.68	42.74	2
3 Chapple, Aidan	11	Dmac 2015-16-MA	50.68	50.90	1
4 Mosher, Austin	11	DV Boys 2015	51.53	51.81	

Event 29 Boys 14 & Under 100 Yard Breaststroke

Name	Age	Team	Seed Time	Finals Time	Points
1 Romeo, Justin 34.38 37.79	14	DV Boys 2015	1:14.51	1:12.17	4
2 Dukinas, Dennis 35.35 40.49	13	Dmac 2015-16-MA	1:17.90	1:15.84	2
3 Curabba, Jack 44.76 53.24	13	DV Boys 2015	1:32.19	1:38.00	1

Event 30 Boys 8 & Under 100 Yard Freestyle Relay

Team	Relay	Seed Time	Finals Time	Points
1 Dmac 2015-16-MA	A	1:27.85	1:23.21	6
1) Smigielski, Conner 8 42.75 40.46	2) Strauch, Cameron William 8	3) Greco, Noah 8	4) Sutterer, Astin 8	
2 Dmac 2015-16-MA	B	NT	1:51.56	3
1) Smulowicz, Alexander 8 56.77 54.79	2) Nikita, Noah 6	3) Granville, Quinto 8	4) Gozikowski, David 6	

Event 31 Boys 10 & Under 200 Yard Freestyle Relay

Team	Relay	Seed Time	Finals Time	Points
1 DV Boys 2015	A	2:36.62	2:27.54	6
1) Corcoran, Alex 9 42.78 36.05 35.45	2) Jaeger, Cyril 10 33.26	3) Heath, Keegan 8	4) Manning, Jake 10	

Del Valley at DMAC - 2/20/2016

Results

(Event 31 Boys 10 & Under 200 Yard Freestyle Relay)

Team	Relay	Seed Time	Finals Time	Points
2 Dmac 2015-16-MA	A	2:31.42	2:29.30	3
1) Daney, Landon 9 37.72 37.25 39.00	2) DeLuna, Richard 10 35.33	3) Wilk, Andrew 9	4) Kuhar, Jackson 10	
3 Dmac 2015-16-MA	B	2:54.60	3:05.22	1
1) Graham, Bruce 9 49.60 54.38 44.26	2) Dutko, Christopher 9 36.98	3) DeLuna, Gabriel 10	4) Smagin, Artem 9	
4 DV Boys 2015	B	NT	3:08.50	
1) Lockwood, John 10 39.84 1:00.01 49.30	2) McDermott, Evan 10 39.35	3) Leonawicz, Liam 9	4) O'Connell, Matt 9	
5 DV Boys 2015	C	NT	x3:51.44	
1) Nieves, Eddie 10	2) Matyushin, Daniel 10	3) Yablonski, Kyle 10	4) Quick, Trey 9	

Event 32 Boys 12 & Under 200 Yard Freestyle Relay

Team	Relay	Seed Time	Finals Time	Points
1 DV Boys 2015	A	2:06.50	2:01.60	6
1) Dong, Evan 12 28.74 30.80 33.16	2) Sussman, Scott 12 28.90	3) Jaeger, Cyrus 11	4) Holderith, Robert 11	
2 Dmac 2015-16-MA	A	2:21.69	2:03.41	3
1) Manzoni, Tanner 11 32.76 30.06 29.20	2) Baur, Jakob 10 31.39	3) Kuhar, Logan 12	4) Weaver, Gary 11	
3 Dmac 2015-16-MA	B	2:39.81	2:37.76	1
1) Walp, Adam 11 42.12 30.52 42.01	2) Stout, John 12 43.11	3) Perrego, Blake 12	4) Graham, Bruce 9	
4 DV Boys 2015	B	NT	3:03.54	
1) Creegan, Aaren 11 38.56 47.16 55.97	2) Misciagno, Joseph 11 41.85	3) Seidel, Will 9	4) Langbein, Perry 11	

Event 33 Boys 14 & Under 200 Yard Freestyle Relay

Team	Relay	Seed Time	Finals Time	Points
1 DV Boys 2015	A	1:49.75	1:46.50	6
1) Manning, Jonathan 14 27.36 28.44 25.97	2) Riccio, Robert 13 24.73	3) Studsrud, Matt 13	4) Romeo, Justin 14	
2 Dmac 2015-16-MA	A	1:57.38	1:46.78	3
1) Blockus, Zachary 13 26.82 27.76 26.30	2) Dukinas, Dennis 13 25.90	3) Szczecinski, Shane 13	4) DeLuna, Bobby 14	
3 DV Boys 2015	B	NT	2:05.88	1
1) Curabba, Jack 13 31.91 36.14 29.65	2) Mosher, Austin 11 28.18	3) Mrozinski, Ryan 14	4) Birkland, Brandon 13	
4 Dmac 2015-16-MA	B	2:23.36	2:21.69	
1) Stambaugh, Logan 13 34.30 28.58 37.22	2) Peterkin, Aiden 13 41.59	3) DaLomba, Luke 13	4) Chapple, Aidan 11	

		mr	200	im	25/50	fl	50/100	ba	br	fr	total	
b	8 DV					2	4	1	2	2	11	
b	8 DMAC	9				5	3	6	5	5	9	42
b	10 DV	7		4		2	5	4	3	6	6	37
b	10 DMAC	3		3		5	2	3	4	1	4	25
b	12 DV	7	4	4		3	5	4	6	2	6	41
b	12 DMAC	3	3	3		4	2	3	1	5	4	28
b	14 DV	7	2	4		2	2	4	3	5	7	36
b	14 DMAC	3	5	3		5	5	3	4	2	3	33
b	total DV	21	27	39		48	64	77	91	106	125	
b	total DMAC	18	26	35		54	66	81	95	108	128	