

MSOE (8-7-2, 5-3-2) -vs- University of Dubuque (4-12-1, 1-8-1)
01/17/2026 at Dubuque, Iowa

Date: 01/17/2026
Start: 07:00 PM
Time: 0
Attendance: 84
Location: Dubuque, Iowa
Officials: Referee: Dan Dineen; Referee: Jason Swenson; Linesman: Colin Waddick; Linesman: Ethan Fox

Goals By Period	1	2	3	Total
MSOE	2	1	1	4
University of Dubuque	0	0	0	0

MSOE: Lyons, Sam (1); Thombs, Ethan (1); Roepke, Casey (1); Ott, Riley (1)
DBQ:

Scoring Summary

Period	Time	Team	Scored By	Assisted By	Type	MSOE	DBQ
1st	04:48	MSOE	Lyons, Sam	Bernard, Seth, Jockims, Rylan	PP, FG, GW	1	0
1st	11:27	MSOE	Thombs, Ethan	Comfort, Nick, Ott, Riley	EV	2	0
2nd	04:41	MSOE	Roepke, Casey	Fink, Charles, McCormack, Gramm	EV	3	0
3rd	01:44	MSOE	Ott, Riley	Beilke, Cole, Thombs, Ethan	EV	4	0

MSOE Power Plays

Prd	Start	End	Elapsed	Shots	Opp-Shots	PPG
1st	03:31	04:48	01:17	3	0	PPG
1st	05:31	07:31	02:00	1	0	--
3rd	11:51	13:51	02:00	1	0	--
3rd	13:57	14:26	00:29	0	0	--
3rd	18:52	20:00	01:08	1	0	--
			06:54	6	0	1/5

University of Dubuque Power Plays

Prd	Start	End	Elapsed	Shots	Opp-Shots	PPG
1st	01:31	03:22	01:51	0	0	--
2nd	05:24	07:24	02:00	1	0	--
2nd	19:07	01:07	02:00	0	1	--
3rd	03:29	05:29	02:00	1	0	--
3rd	06:20	08:20	02:00	3	0	--
3rd	15:57	16:26	00:29	1	0	--
			10:20	6	1	0/6

Penalty Summary

Period	Team	Player	MIN	Offense	Type	Time	PP
1st	MSOE	Yee, Jackson	02:00	Tripping	MINOR	01:31	PP
1st	DBQ	Weimer, Brock	02:00	Hooking	MINOR	03:22	PP
1st	DBQ	Lakic, Maksim	02:00	Slashing	MINOR	05:31	PP
2nd	MSOE	Roepke, Casey	02:00	Hooking	MINOR	05:24	PP
2nd	MSOE	Shepler, Eddie	02:00	Hit after whistle	MINOR	19:06 .3	PP
2nd	MSOE	Smith, Adam	02:00	Roughing	MINOR	19:06 .3	PP
2nd	DBQ	Wentworth, Zak	02:00	Roughing	MINOR	19:06 .3	PP
3rd	MSOE	Ott, Riley	02:00	Hooking	MINOR	03:29	PP
3rd	MSOE	Bernard, Seth	02:00	Holding	MINOR	06:20	PP
3rd	DBQ	Weimer, Brock	02:00	Hooking	MINOR	11:51	PP
3rd	DBQ	Rossetti, Brandon	02:00	Cross Checking	MINOR	13:57	PP
3rd	MSOE	Beilke, Cole	02:00	Cross Checking	MINOR	14:26	PP
3rd	DBQ	Coles, Andon	02:00	Interference	MINOR	18:52	PP

MSOE 4

University of Dubuque 0

[illegible]

30	Mitchell, Dazza	0	0	0	0	0	0	0	-	-	0
31	Altman, Beau	0	0	0	0	0	0	0	-	-	0
37	Gazich, Thomas	0	0	0	0	0	0	0	-	-	0
39	Jacobser, Wilder	0	0	0	0	0	0	-1	6-12	-	0
43	Coles, Andon	0	0	0	0	2	2	-2	-	1-2	1
55	Paweski, Jack	0	0	0	3	3	6	0	-	-	0
61	Hardy, Owen	0	0	1	0	2	3	-2	-	-	0
TM	TEAM	0	0	0	0	0	0	0	-	-	0
Totals		0	0	6	12	12	30	-15	23-49	6-12	7

MSOE Goalkeeping

MSOE Goalkeeping

#	Player	De c	Mins	GA	EN	1	2	3	Total
35	Schwab, Austin	W	60:00	0	0	6	12	12	30
1	Rondina, Philip		00:00	0	0	0	0	0	0
36	Northway, Spencer		00:00	0	0	0	0	0	0
TM	TEAM		00:00	0	0	0	0	0	0
Totals				0	0	6	12	12	30

MSOE Faceoffs

#	Player	W	L
40	Hughes, Jackson	10	7
4	Shepler, Eddie	8	6
12	Mann, Ethan	5	6
7	Bernard, Seth	1	0
13	Thombs, Ethan	1	4
15	Karges, Jack	1	0
Totals		26	23

University of Dubuque Goalkeeping

University of Dubuque Goalkeeping

#	Player	De c	Mins	GA	EN	1	2	3	Total
30	Mitchell, Dazza	L	60:00	4	0	11	8	4	23
29	Carter, Prestyn		00:00	0	0	0	0	0	0
31	Altman, Beau		00:00	0	0	0	0	0	0
TM	TEAM		00:00	0	0	0	0	0	0
Totals				4	0	11	8	4	23

University of Dubuque Faceoffs

#	Player	W	L
17	Borodaenko, Nikita	6	8
39	Jacobser, Wilder	6	6
11	Wentworth, Zak	3	4
19	Weimer, Brock	3	5
4	Cline, Zach	2	2
13	Burfoot, Zach	2	1
15	Lakic, Maksim	1	0
Totals		23	26

Play By Play

Score	PP	Play
Period #1 Plays		
0-0		[00:00] Schwab, Austin at goalie for MSE.
0-0		[00:00] Mitchell, Dazza at goalie for DBQ.
0-0		[00:00] Start of 1st period.
0-0		[00:00] Faceoff Hughes, Jackson vs Borodaenko, Nikita won by MSE.
0-0		[00:19] Shot by MSE Fink, Charles MISSED, save Mitchell, Dazza.
0-0		[00:19] Faceoff Shepler, Eddie vs Borodaenko, Nikita won by DBQ.
0-0		[00:29] Shot by MSE Shepler, Eddie MISSED, save Mitchell, Dazza.
0-0		[01:26] Faceoff Mann, Ethan vs Jacober, Wilder won by DBQ.
0-0		[01:31] Penalty on Yee, Jackson MSE 2 minutes for Tripping.
0-0		[01:31] Faceoff Thombs, Ethan vs Borodaenko, Nikita won by DBQ.
0-0	PP DBQ	[01:31] Start power play for DBQ.
0-0	PP DBQ	[01:42] Shot by DBQ Borodaenko, Nikita WIDE.
0-0	PP DBQ	[03:22] Penalty on Weimer, Brock DBQ 2 minutes for Hooking.
0-0	PP DBQ	[03:22] End power play for DBQ.
0-0		[03:22] Faceoff Shepler, Eddie vs Jacober, Wilder won by MSE.
0-0		[03:31] Yee, Jackson (MSE) penalty complete.
0-0	PP MSE	[03:31] Start power play for MSE.
0-0	PP MSE	[03:52] Shot by MSE Roepke, Casey BLOCKED by Rossetti, Brandon.
0-0	PP MSE	[04:16] Shot by MSE Roepke, Casey MISSED, save Mitchell, Dazza.
0-0	PP MSE	[04:16] Faceoff Shepler, Eddie vs Burfoot, Zach won by MSE.
0-0	PP MSE	[04:20] Shot by MSE Beilke, Cole MISSED, save Mitchell, Dazza.
0-0	PP MSE	[04:48] GOAL by MSOE Lyons, Sam (POWER-PLAY, FIRST GOAL, GAME WINNING GOAL), Assist by Bernard, Seth and Jockims, Rylan, On ice for MSE: Jockims, Rylan; Lyons, Sam; Shepler, Eddie; Beilke, Cole; Bernard, Seth, On ice for DBQ: Burfoot, Zach; Cline, Zach; Rossetti, Brandon; Coles, Andon, goal number 3 for season.
MSOE 1, University of Dubuque 0		
1-0	PP MSE	[04:48] Weimer, Brock (DBQ) penalty complete.
1-0	PP MSE	[04:48] End power play for MSE.
1-0		[04:48] Faceoff Karges, Jack vs Wentworth, Zak won by MSE.
1-0		[05:17] Shot by DBQ Wentworth, Zak MISSED, save Schwab, Austin.
1-0		[05:28] Shot by MSE Karges, Jack MISSED, save Mitchell, Dazza.
1-0		[05:31] Penalty on Lakic, Maksim DBQ 2 minutes for Slashing.
1-0	PP MSE	[05:31] Start power play for MSE.
1-0	PP MSE	[05:31] Faceoff Shepler, Eddie vs Jacober, Wilder won by MSE.
1-0	PP MSE	[06:23] Shot by MSE Beilke, Cole MISSED, save Mitchell, Dazza.
1-0	PP MSE	[06:55] Faceoff Hughes, Jackson vs Cline, Zach won by MSE.
1-0	PP MSE	[07:31] Lakic, Maksim (DBQ) penalty complete.
1-0	PP MSE	[07:31] End power play for MSE.
1-0		[08:18] Shot by DBQ Borodaenko, Nikita MISSED, save Schwab, Austin.
1-0		[08:18] Faceoff Hughes, Jackson vs Jacober, Wilder won by MSE.
1-0		[08:44] Shot by MSE Dickey, Brennan MISSED, save Mitchell, Dazza.
1-0		[09:29] Faceoff Shepler, Eddie vs Weimer, Brock won by MSE.
1-0		[09:42] Shot by DBQ Weimer, Brock BLOCKED by Beilke, Cole.
1-0		[10:51] Shot by MSE Comfort, Nick BLOCKED by Rossetti, Brandon.
1-0		[11:27] GOAL by MSOE Thombs, Ethan (EVEN STRENGTH), Assist by Comfort, Nick and Ott, Riley, On ice for MSE: Thombs, Ethan; Smith, Adam; Karges, Jack; Comfort, Nick; Ott, Riley, On ice for DBQ: Rossetti, Brandon; Lang, Ethan; Coles, Andon; Hardy, Owen; Borodaenko, Nikita, goal number 4 for season.
MSOE 2, University of Dubuque 0		
2-0		[11:27] Faceoff Hughes, Jackson vs Wentworth, Zak won by DBQ.
2-0		[11:40] Shot by DBQ Lakic, Maksim MISSED, save Schwab, Austin.
2-0		[11:56] Faceoff Hughes, Jackson vs Wentworth, Zak won by MSE.
2-0		[12:19] Faceoff Shepler, Eddie vs Jacober, Wilder won by DBQ.
2-0		[12:44] Shot by DBQ Downie, Matt MISSED, save Schwab, Austin.
2-0		[12:44] Faceoff Mann, Ethan vs Jacober, Wilder won by MSE.
2-0		[13:29] Shot by MSE Stevens, Luke MISSED, save Mitchell, Dazza.
2-0		[13:53] Shot by MSE Jockims, Rylan MISSED, save Mitchell, Dazza.
2-0		[15:04] Shot by DBQ Lissebeck, Gavin BLOCKED by Hughes, Jackson.

2-0	[15:45]	Shot by DBQ Hardy, Owen MISSED, save Schwab, Austin.
2-0	[16:29]	Faceoff Mann, Ethan vs Wentworth, Zak won by MSE.
2-0	[17:03]	Shot by MSE Jockims, Rylan BLOCKED by Lakic, Maksim.
2-0	[17:43]	Shot by MSE Thombs, Ethan WIDE.
2-0	[18:13]	Shot by DBQ Downie, Matt MISSED, save Schwab, Austin.
2-0	[18:13]	Faceoff Shepler, Eddie vs Borodaenko, Nikita won by DBQ.
2-0	[18:40]	Shot by MSE Bernard, Seth MISSED, save Mitchell, Dazza.
2-0	[18:40]	Faceoff Mann, Ethan vs Lakic, Maksim won by DBQ.
2-0	[19:35]	Shot by MSE Ott, Riley MISSED, save Mitchell, Dazza.
2-0	[19:36]	Faceoff Thombs, Ethan vs Jacober, Wilder won by DBQ.
2-0	[20:00]	End of period.
Period #2 Plays		
2-0	[00:00]	Start of 2nd period.
2-0	[00:00]	Faceoff Hughes, Jackson vs Borodaenko, Nikita won by MSE.
2-0	[00:19]	Faceoff Hughes, Jackson vs Borodaenko, Nikita won by MSE.
2-0	[00:30]	Shot by DBQ Borodaenko, Nikita MISSED, save Schwab, Austin.
2-0	[00:48]	Shot by DBQ Burfoot, Zach BLOCKED by Roepke, Casey.
2-0	[00:55]	Faceoff Hughes, Jackson vs Weimer, Brock won by MSE.
2-0	[01:24]	Shot by DBQ Weimer, Brock MISSED, save Schwab, Austin.
2-0	[01:24]	Faceoff Shepler, Eddie vs Jacober, Wilder won by DBQ.
2-0	[02:11]	Shot by DBQ Dale, Tyler MISSED, save Schwab, Austin.
2-0	[03:33]	Faceoff Thombs, Ethan vs Borodaenko, Nikita won by DBQ.
2-0	[04:41]	GOAL by MSOE Roepke, Casey (EVEN STRENGTH), Assist by Fink, Charles and McCormack, Gramm, On ice for MSE: Roepke, Casey; McCormack, Gramm; Comfort, Nick; Hughes, Jackson; Fink, Charles, On ice for DBQ: Dundas, Kaden; Burfoot, Zach; Downie, Matt; Hardy, Owen; Borodaenko, Nikita, goal number 2 for season.
MSOE 3, University of Dubuque 0		
3-0	[04:41]	Faceoff Hughes, Jackson vs Borodaenko, Nikita won by MSE.
3-0	[04:49]	Shot by MSE Bernard, Seth MISSED, save Mitchell, Dazza.
3-0	[05:11]	Shot by DBQ Lissebeck, Gavin BLOCKED by Bernard, Seth.
3-0	[05:23]	Shot by DBQ Cline, Zach MISSED, save Schwab, Austin.
3-0	[05:24]	Penalty on Roepke, Casey MSE 2 minutes for Hooking.
3-0	[05:24]	Faceoff Hughes, Jackson vs Borodaenko, Nikita won by DBQ.
3-0	PP DBQ	[05:24] Start power play for DBQ.
3-0	PP DBQ	[05:30] Shot by DBQ Paweski, Jack MISSED, save Schwab, Austin.
3-0	PP DBQ	[07:24] Roepke, Casey (MSE) penalty complete.
3-0	PP DBQ	[07:24] End power play for DBQ.
3-0	[07:44]	Shot by DBQ Weimer, Brock MISSED, save Schwab, Austin.
3-0	[09:09]	Shot by DBQ Lang, Ethan MISSED, save Schwab, Austin.
3-0	[09:24]	Shot by MSE Karges, Jack WIDE.
3-0	[10:54]	Faceoff Shepler, Eddie vs Weimer, Brock won by MSE.
3-0	[11:30]	Shot by DBQ Paweski, Jack MISSED, save Schwab, Austin.
3-0	[12:01]	Shot by DBQ Weimer, Brock WIDE.
3-0	[12:44]	Shot by MSE Stevens, Luke MISSED, save Mitchell, Dazza.
3-0	[13:06]	Shot by MSE Mann, Ethan MISSED, save Mitchell, Dazza.
3-0	[13:12]	Shot by MSE Mann, Ethan BLOCKED by Coles, Andon.
3-0	[13:12]	Faceoff Thombs, Ethan vs Wentworth, Zak won by DBQ.
3-0	[13:51]	Shot by MSE Ott, Riley HIT PIPE.
3-0	[14:09]	Shot by MSE Hughes, Jackson MISSED, save Mitchell, Dazza.
3-0	[14:23]	Shot by MSE Charchenko, Nikolai MISSED, save Mitchell, Dazza.
3-0	[14:26]	Shot by MSE McCormack, Gramm MISSED, save Mitchell, Dazza.
3-0	[14:29]	Faceoff Shepler, Eddie vs Jacober, Wilder won by MSE.
3-0	[15:29]	Shot by DBQ Coles, Andon WIDE.
3-0	[15:41]	Shot by DBQ Paweski, Jack MISSED, save Schwab, Austin.
3-0	[15:56]	Shot by DBQ Coles, Andon BLOCKED by Beilke, Cole.
3-0	[15:56]	Faceoff Mann, Ethan vs Weimer, Brock won by DBQ.
3-0	[16:03]	Faceoff Mann, Ethan vs Weimer, Brock won by MSE.
3-0	[16:19]	Shot by MSE Yee, Jackson BLOCKED by Rossetti, Brandon.
3-0	[17:49]	Shot by MSE Fink, Charles MISSED, save Mitchell, Dazza.
3-0	[18:47]	Shot by DBQ Wentworth, Zak MISSED, save Schwab, Austin.

3-0		[19:04] Shot by DBQ Lakic, Maksim MISSED, save Schwab, Austin.
3-0		[19:07] Shot by DBQ Lang, Ethan MISSED, save Schwab, Austin.
3-0		[19:07] Penalty on Shepler, Eddie MSE 2 minutes for HitAfterWhistle.
3-0		[19:07] Penalty on Smith, Adam MSE 2 minutes for Roughing.
3-0		[19:07] Penalty on Wentworth, Zak DBQ 2 minutes for Roughing.
3-0	PP DBQ	[19:07] Start power play for DBQ.
3-0	PP DBQ	[19:07] Faceoff Mann, Ethan vs Borodaenko, Nikita won by MSE.
3-0	PP DBQ	[19:54] Shot by MSE Jockims, Rylan MISSED, save Mitchell, Dazza.
3-0	PP DBQ	[20:00] End of period.
Period #3 Plays		
3-0	PP DBQ	[00:00] Start of 3rd period.
3-0	PP DBQ	[00:00] Faceoff Hughes, Jackson vs Weimer, Brock won by DBQ.
3-0	PP DBQ	[01:07] Shepler, Eddie (MSE) penalty complete.
3-0	PP DBQ	[01:07] End power play for DBQ.
3-0		[01:43] Shot by MSE Ott, Riley MISSED, save Mitchell, Dazza.
3-0		[01:44] GOAL by MSOE Ott, Riley (EVEN STRENGTH), Assist by Beilke, Cole and Thombs, Ethan, On ice for MSE: Ott, Riley; Beilke, Cole; Jockims, Rylan; Thombs, Ethan; Karges, Jack, On ice for DBQ: Dundas, Kaden; Lakic, Maksim; Lang, Ethan; Jacober, Wilder; Coles, Andon, goal number 1 for season.
MSOE 4, University of Dubuque 0		
4-0		[01:44] Faceoff Mann, Ethan vs Borodaenko, Nikita won by MSE.
4-0		[02:06] Shot by MSE Mann, Ethan MISSED, save Mitchell, Dazza.
4-0		[03:20] Shot by DBQ Rossetti, Brandon MISSED, save Schwab, Austin.
4-0		[03:29] Penalty on Ott, Riley MSE 2 minutes for Hooking.
4-0	PP DBQ	[03:29] Start power play for DBQ.
4-0	PP DBQ	[03:29] Faceoff Hughes, Jackson vs Burfoot, Zach won by DBQ.
4-0	PP DBQ	[03:39] Shot by DBQ Coles, Andon MISSED, save Schwab, Austin.
4-0	PP DBQ	[03:39] Faceoff Hughes, Jackson vs Burfoot, Zach won by DBQ.
4-0	PP DBQ	[05:29] Ott, Riley (MSE) penalty complete.
4-0	PP DBQ	[05:29] End power play for DBQ.
4-0		[06:20] Penalty on Bernard, Seth MSE 2 minutes for Holding.
4-0	PP DBQ	[06:20] Start power play for DBQ.
4-0	PP DBQ	[06:20] Faceoff Hughes, Jackson vs Weimer, Brock won by DBQ.
4-0	PP DBQ	[06:34] Shot by DBQ Dale, Tyler WIDE.
4-0	PP DBQ	[06:34] Faceoff Mann, Ethan vs Cline, Zach won by DBQ.
4-0	PP DBQ	[07:01] Shot by DBQ Coles, Andon MISSED, save Schwab, Austin.
4-0	PP DBQ	[07:51] Shot by DBQ Paweski, Jack MISSED, save Schwab, Austin.
4-0	PP DBQ	[07:53] Shot by DBQ Borodaenko, Nikita MISSED, save Schwab, Austin.
4-0	PP DBQ	[08:20] Bernard, Seth (MSE) penalty complete.
4-0	PP DBQ	[08:20] End power play for DBQ.
4-0		[09:28] Faceoff Hughes, Jackson vs Wentworth, Zak won by DBQ.
4-0		[09:36] Shot by DBQ English, Jesse MISSED, save Schwab, Austin.
4-0		[10:16] Faceoff Mann, Ethan vs Jacober, Wilder won by DBQ.
4-0		[11:38] Shot by DBQ Paweski, Jack MISSED, save Schwab, Austin.
4-0		[11:41] Shot by DBQ Paweski, Jack MISSED, save Schwab, Austin.
4-0		[11:51] Penalty on Weimer, Brock DBQ 2 minutes for Hooking.
4-0	PP MSE	[11:51] Start power play for MSE.
4-0	PP MSE	[11:51] Faceoff Shepler, Eddie vs Cline, Zach won by MSE.

4-0 PP MSE [12:32] Shot by MSE Jockims, Rylan BLOCKED by Zielinski, Aleksey.
 4-0 PP MSE [12:45] Shot by MSE Lyons, Sam BLOCKED by Zielinski, Aleksey.
 4-0 PP MSE [13:08] Shot by MSE Beilke, Cole MISSED, save Mitchell, Dazza.
 4-0 PP MSE [13:08] Faceoff Mann, Ethan vs Jacober, Wilder won by DBQ.
 4-0 PP MSE [13:51] Weimer, Brock (DBQ) penalty complete.
 4-0 PP MSE [13:51] End power play for MSE.
 4-0 [13:57] Penalty on Rossetti, Brandon DBQ 2 minutes for CrossChecking.
 4-0 PP MSE [13:57] Start power play for MSE.
 4-0 PP MSE [13:57] Faceoff Shepler, Eddie vs Cline, Zach won by DBQ.
 4-0 PP MSE [14:26] Penalty on Beilke, Cole MSE 2 minutes for CrossChecking.
 4-0 PP MSE [14:26] End power play for MSE.
 4-0 [14:26] Faceoff Thombs, Ethan vs Weimer, Brock won by MSE.
 4-0 [15:25] Faceoff Hughes, Jackson vs Borodaenko, Nikita won by MSE.
 4-0 [15:57] Rossetti, Brandon (DBQ) penalty complete.
 PP
 4-0 DBQ [15:57] Start power play for DBQ.
 PP
 4-0 DBQ [16:16] Shot by DBQ Hardy, Owen MISSED, save Schwab, Austin.
 PP
 4-0 DBQ [16:16] Faceoff Shepler, Eddie vs Borodaenko, Nikita won by MSE.
 PP
 4-0 DBQ [16:26] Beilke, Cole (MSE) penalty complete.
 PP
 4-0 DBQ [16:26] End power play for DBQ.
 4-0 [16:36] Shot by DBQ Borodaenko, Nikita MISSED, save Schwab, Austin.
 4-0 [16:36] Faceoff Shepler, Eddie vs Borodaenko, Nikita won by DBQ.
 4-0 [16:39] Shot by DBQ Paweski, Jack BLOCKED by Dickey, Brennan.
 4-0 [17:08] Shot by DBQ Cline, Zach MISSED, save Schwab, Austin.
 4-0 [18:11] Shot by DBQ Coles, Andon WIDE.
 4-0 [18:35] Shot by DBQ Hardy, Owen MISSED, save Schwab, Austin.
 4-0 [18:52] Penalty on Coles, Andon DBQ 2 minutes for Interference.
 4-0 [18:52] Faceoff Hughes, Jackson vs Jacober, Wilder won by MSE.
 4-0 PP MSE [18:52] Start power play for MSE.
 4-0 PP MSE [19:04] Shot by MSE Roepke, Casey WIDE.
 4-0 PP MSE [19:25] Shot by MSE Fink, Charles MISSED, save Mitchell, Dazza.
 4-0 PP MSE [19:30] Faceoff Bernard, Seth vs Wentworth, Zak won by MSE.
 4-0 PP MSE [20:00] End of period.
 4-0 PP MSE [20:00] Coles, Andon (DBQ) penalty complete.
 4-0 PP MSE [20:00] End power play for MSE.
 4-0 [20:00] Wentworth, Zak (DBQ) penalty complete.
 4-0 [20:00] Smith, Adam (MSE) penalty complete.