

VOCABULARY QUIZ 1

Math 875, Ram/Thiem
January 23, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. symmetric polynomial
2. monomial symmetric polynomial
3. partition
4. dominance order
5. column strict tableau

VOCABULARY QUIZ 2

Math 875, Ram/Thiem

January 30, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. elementary symmetric polynomial
2. complete symmetric polynomial
3. power symmetric polynomial
4. alternating symmetric function
5. Schur polynomial
6. a_μ
7. z_λ

VOCABULARY QUIZ 3

Math 875, Ram/Thiem
February 6, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. relation
2. partial order
3. poset
4. inverse limit
- 5-6-7. RSK insertion

VOCABULARY QUIZ 4

Math 875, Ram/Thiem

February 13, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. $R[G]$
2. characteristic map
3. Ind_H^G
4. horizontal strip
5. module
6. irreducible
7. $\langle, \rangle: \Lambda \times \Lambda \rightarrow \mathbb{Z}$

VOCABULARY QUIZ 5

Math 875, Ram/Thiem
February 20, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. interpolating symmetric functions
2. $M_{n \times \ell}(\mathbb{Z}_{\geq 0})$
3. matrix
4. $\mathbb{Z}_{\geq 0}^n$
5. Schur function
6. monomial symmetric function
7. power sum symmetric function

VOCABULARY QUIZ 5

Math 875, Ram/Thiem

February 27, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. Pieri rule
2. Cauchy identity
3. Newton identity
4. skew shape
5. standard tableau
6. content
7. broken border strip

VOCABULARY QUIZ 7

Math 875, Ram/Thiem

March 10, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. monomial symmetric functions
2. free module
3. group algebra
4. monoid
5. a_μ
6. ρ
7. P^+

VOCABULARY QUIZ 8

Math 875, Ram/Thiem

April 3, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. affine Hecke algebra
2. affine Weyl group
3. length
4. $H_{\alpha+k\delta}$
5. highest short root
6. alcove
7. fundamental alcove

VOCABULARY QUIZ 9

Math 875, Ram/Thiem

April 16, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. Schur function
2. Weyl character
3. dual path
4. $B(\varepsilon_1)$
5. $B(\varepsilon_1)^{\otimes k}$
6. \tilde{f}_i
7. good node

VOCABULARY QUIZ 10

Math 875, Ram/Thiem

April 23, 2004

Define the following terms. Use complete sentences and make sure you say what all the things that you refer to in your definition are. Make sure your definition is designed so that it will be the one you need when you are doing a proof. Make sure to state your definitions in Jeopardy form.

1. matrix
2. crystal
3. character (of a crystal)
4. character (of a representation)
5. i -string
6. crystal graph
7. partition